

CS201 Final Term Papers By Waqar (File 1)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Here the code is given below. You have to identify the problem in the code.

```
while( (i < 10) && (i > 24))
```

Answer (Please select your correct option)

VuAnswers.com

- the logical operator && cannot be used in a test condition
- the while loop is an exit-condition loop
- the test condition is always true
- the test condition is always false

Made by: Waqar Siddhu

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the statements given below is equivalent to `sum += j*j` ?

Answer (Please select your correct option)

VuAnswers.com

- `sum = j * j`
- `sum = sum + j`
- `sum = sum + j * j`
- `sum * j = j`

correct

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

All elements of an array must be of _____.

Answer (Please select your correct option)

VuAnswers.com

- different data type
- float data types only
- character data types only
- same data type

correct

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In C/C++, null character is represented as _____.

Answer (Please select your correct option)

VuAnswers.com

\n

correct

\0

\t

\r

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

The dynamic memory allocation uses memory from the _____.

Answer (Please select your correct option)

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Stack

Heap

correct

System Cache

Secondary Storage

Made by: Waqar Siddhu

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

When a value is referred by a normal variable then it is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Direct Reference

correct

Indirect Reference

Proper Reference

Partial Reference

Made by: Waqar Siddhu

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

The address operator (&) is used with a _____.

Answer (Please select your correct option)

VuAnswers.com

- Statement
- Expression
- Variable
- Constant

correct

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A variable declared inside a code block becomes the _____ variable for that block.

Answer (Please select your correct option)

VuAnswers.com

- global
- static
- local
- inner

correct

Made by: Waqar Siddhu

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

If a friend function outside the class declares itself friend of the class, this may violate the concept of _____.

Answer (Please select your correct option)

VuAnswers.com

- Encapsulation and data accessing
- Encapsulation and data hiding
- Friend member functions of the class
- Interface of the class

correct

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

In C/C++, _____ are the doors through which data can enter and come out of a program.

Answer (Please select your correct option)

VuAnswers.com

Streams

correct

Fields

Variables

Header files

Made by: Waqar Siddhu

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

A _____ name includes a primary name and an optional period with an extension.

Answer (Please select your correct option)

VuAnswers.com

File

correct

Disk

Data

Database

Made by: Waqar Siddhu

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

The operator used for casting in C is standard _____ operator.

Answer (Please select your correct option)

VuAnswers.com

binary

cast

correct

cost

const

Made by: Waqar Siddhu

Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Both endl and flush are _____.

Answer (Please select your correct option)

VuAnswers.com

Functions

Operators

Manipulators

correct

Objects

Made by: Waqar Siddhu

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

What will be the output of the following statement?

```
cout << setbase(16) << 52 ;
```

Answer (Please select your correct option)

VuAnswers.com

52

34

correct

64

32

Made by: Waqar Siddhu

Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

The return type of the operator function for << operator is _____.

Answer (Please select your correct option)

VuAnswers.com

class for which we overload operator

reference of ostream class (ostream&)

correct

reference of istream class (istream&)

void

Made by: Waqar Siddhu

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

new operator allocates memory from free store and returns _____.

Answer (Please select your correct option)

VuAnswers.com

A pointer

correct

A reference

An integer

A float

Made by: Waqar Siddhu

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

The pointer returned by the new operator points to _____ of memory chunks allocated by the new operator.

Answer (Please select your correct option)

VuAnswers.com

Second memory address

First memory address

correct

Last memory address

Last memory address of the previous chunk

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A template function must have at least _____ generic data type.

Answer (Please select your correct option)

VuAnswers.com

Zero

One

Two

Three

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

What does STL stand for?

Source template library

Standard template library

Stream template library

Standard temporary library

correct

VuAnswers.com

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

The appropriate data type to store the number of rows and columns of the matrix is _____.

float

strings

int

char

correct

VuAnswers.com

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

By using objects as class members, _____ is achieved.

Accessibility

Reliability

Reusability

Usability

correct

VuAnswers.com

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ data members of a contained object can be accessed from inside of the containing class.

Answer (Please select your correct option)

VuAnswers.com

Private

Public

Protected

All

correct

Made by: Waqar Siddhu

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

The normal source of cin object is _____.

Answer (Please select your correct option)

VuAnswers.com

File

Disk

Keyboard

RAM

correct

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

The stream insertion and stream extraction operators are already overloaded for _____.

Answer (Please select your correct option)

VuAnswers.com

User-defined data types

Built-in data types

User-defined and built-in data types

Constants

correct

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

When an object of a class is defined inside an other class then _____.

Answer (Please select your correct option)

VuAnswers.com

Constructor of enclosing class will be called first

Constructor of inner object will be called first

correct

Constructor and Destructor will be called simultaneously

Only destructor will be called

Made by: Waqar Siddhu

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

The order of destruction of an object is _____.

Answer (Please select your correct option)

VuAnswers.com

same as the construction order.

reverse as the construction order.

correct

independent of the construction order.

same as the order of objects declared.

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A constructor will create a new object with a full copy of the other object, this type of copy is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Deep copy

correct

Shallow copy

Constructor copy

Object copy

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is the only operator that the compiler overloads for user defined data type.

Answer (Please select your correct option)

VuAnswers.com

Plus (+)

Minus (-)

Equal (= =)

Assignment (=)

correct

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

A class member function defined for overloading a unary operator takes how many arguments ?

Answer (Please select your correct option)

VuAnswers.com

Zero

One

Two

N arguments

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Static allocation is _____ efficient than the dynamic allocation.

Answer (Please select your correct option)

VuAnswers.com

less

correct

more

equally

it depends on the situation

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following function call is correct for the function prototype?
defaultParameters (int a, int b = 7, char z = '*');

Answer (Please select your correct option)

VuAnswers.com

defaultParameters (5);

correct

defaultParameters (5, 'S');

defaultParameters (6, '#');

defaultParameters (0, 0, '*', 0);

Made by: Waqar Siddhu

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

The region of memory, available for allocation at run time in C language is called _____ memory whereas in C++ , is called _____.

Answer (Please select your correct option)

VuAnswers.com

Heap, Stack

Stack, Free Store

Heap, Free Store

correct

Free store, Heap

Made by: Waqar Siddhu

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

The prototype of friend function is written _____.

Answer (Please select your correct option)

VuAnswers.com

Before the class definition

As private member function

Anywhere inside the class definition

correct

In the main function

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one of the given options is correct prototype syntax for overloaded operator?

Answer (Please select your correct option) **VuAnswers.com**

- return-type operator-symbol (parameter-list) operator;
 - operator return-type operator-symbol (parameter-list);
 - return-type operator operator-symbol (parameter-list);
 - return-type operator-symbol operator (parameter-list);
- correct**
- Made by: Waqar Siddhu**

Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

The declarator of Plus (+) member operator function is _____.

Answer (Please select your correct option) **VuAnswers.com**

- Class-Name operator + (Class-Name rhs)
 - operator Class-Name + ()
 - operator Class-Name + (rhs)
 - Class-Name operator + ()
- correct**
- Made by: Waqar Siddhu**

Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

Sequence of event(s) when allocating memory using new operator is _____.

Answer (Please select your correct option) **VuAnswers.com**

- Only block of memory is allocated for objects
 - Only constructor is called for objects
 - Memory is allocated first before calling constructor
 - Constructor is called first before allocating memory
- correct**
- Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

Individual characters in a string stored in an array can be accessed directly using array _____

Answer (Please select your correct option)

VuAnswers.com

Superscript

Subscript

correct

Script

Value

Made by: Waqar Siddhu

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Whenever we allocate any memory from the _____ then starting position of the block of the memory allocated is returned as an address that is kept in a pointer.

Answer (Please select your correct option)

VuAnswers.com

Flush

Buffer

Heap

correct

Stack

Made by: Waqar Siddhu

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Whenever we allocate any memory from the heap then starting position of the block of the memory allocated is returned as a _____ that is kept in a pointer.

Answer (Please select your correct option)

VuAnswers.com

Variable

Address

correct

Pointer

Array

Made by: Waqar Siddhu

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Constructor is a special function, called whenever we instantiate a _____ of a class.

Answer (Please select your correct option)

VuAnswers.com

Function

Data member

Object

Pointer

correct

Made by: Waqar Siddhu

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we overcome the issue of dangling reference in a program ?

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



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Question No : 42 of 52

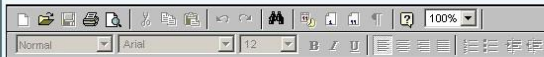
Marks: 2 (Budgeted Time 4 Min)

What will be the output of the program below?

```
#include <iostream.h>
main()
{
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

```
main()
{
    int i = 2;
    int j = 3;
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

```
int k = 2 * ++i * j++;
cout << k;
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Write the operator overloading declaration for a stream extraction (>>) operator for an integer.

Answer (Please [click here](#) to Add Answer)

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Made by: Waqar Siddhu

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Suppose an object of class A is declared as data member of class B.
(i) The constructor of which class will be called first?
(ii) The destructor of which class will be called first?

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Identify and correct the error(s) in given code.
while (c <= 5);
(

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
sum += c;  
c++;  
)
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

What will be the output of the following code snippet?

```
int x = 10;  
int &y = x;  
y+=5;  
cout << x;
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a function named Sum which accepts an integer as argument. In the function use a static variable to add the values passed to it as arguments with each function call. In the end, display the sum of values passed as arguments.

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Given is the code for nested classes.

```
class First  
{  
    public:
```

Answer (Please [click here](#) to Add Answer)

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Made by: Waqar Siddhu


Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
class Second  
{  
    public:  
        void Display()  
    {
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



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Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
{  
    cout<<"inner Object called...";  
}  
};
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu


Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
};  
};  
};  
  
Write main() function to create an object of inner class and then call its function Display().
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Write a program which defines a Template function named Add () which adds two variables and then returns the sum. Define two variables of type int in main function, and then call Add () function on these variables.

Program output should look like this:

Answer (Please [click here](#) to Add Answer) **VuAnswers.com**

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Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Program output should look like this:

Enter two integer values to be added
Enter First value:
12

Answer (Please [click here](#) to Add Answer) **VuAnswers.com**

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Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Enter two integer values to be added
Enter First value:
12
Enter Second value:
25
Addition of two variable of different data type

Answer (Please [click here](#) to Add Answer) **VuAnswers.com**

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Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Enter Second value:
25
Addition of two variable of different data type
Sum = 37

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Construct a logical expression to represent each of the following conditions:
a. score is greater than or equal to 80 but less than 90;
b. answer is either N or n;
c. n is even but not 8;
d. number is a multiple of both 4 and 6

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

In a C++ program, how would you identify whether a declared variable is a "reference variable" or an "address variable"?

Answer (Please [click here](#) to Add Answer)

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

What will be the output of given program code ?

```
class File {  
private:
```

VuAnswers.com

Answer (Please [click here](#) to Add Answer)

Rich text editor toolbar with options like Bold, Italic, Underline, and text color.

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
char *name,  
char *type,  
int size,  
public:
```

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Answer (Please [click here](#) to Add Answer)

Rich text editor toolbar with options like Bold, Italic, Underline, and text color.

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
File()  
{  
File::num_files++;  
}
```

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Answer (Please [click here](#) to Add Answer)

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Question No : 52 of 52

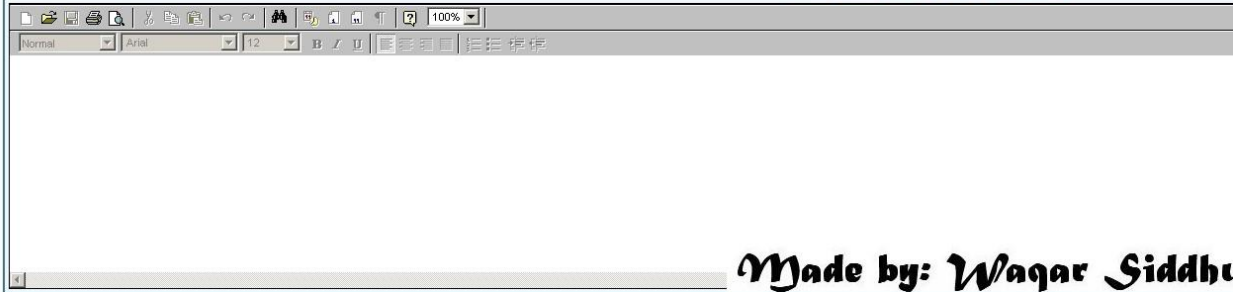
Marks: 5 (Budgeted Time 10 Min)

```
static int num_files;
};

int File::num_files = 0;
main()
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



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Question No : 52 of 52

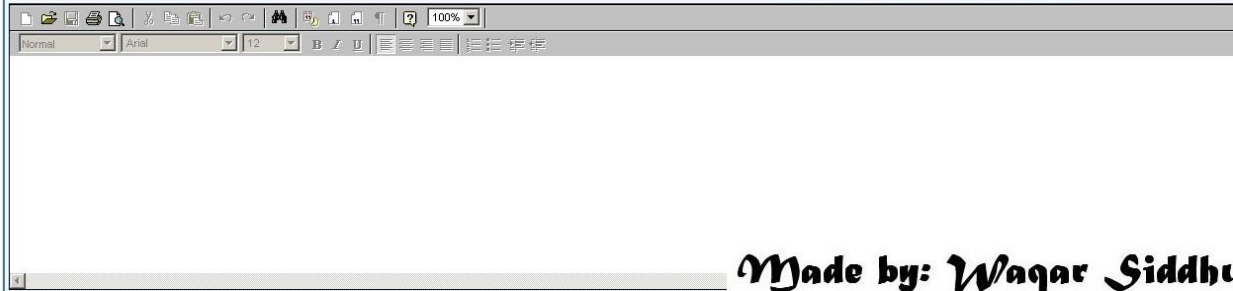
Marks: 5 (Budgeted Time 10 Min)

```
int File::num_files = 0;
main()
{
    File f1;

    cout<<f1.num_files<<endl;
}
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
File f2;  
cout<<f2.num_files<<endl;
```

Answer (Please [click here](#) to Add Answer)

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
cout<<f2.num_files<<endl;  
cout<<File.num_files;  
return 0;  
}
```

Answer (Please [click here](#) to Add Answer)

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