

CS506 QUIZ#1

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1. Java programs are crafted in the Editor, whereas they are saved in _____.

- a. external file@studywithhamza25
- b. primary memory
- c. usb
- d. disk

2. Suppose strings are stored in a collection “arraylist”. Get one string element and store in element variable. Choose correct line of code for this requirement.

- a. String element = (element) arraylist.get(i);
- b. String element = String arraylist.get(i);
- c. String element = element arraylist.get(i);
- d. String element = (String)arraylist.get(i);

3. Which of the following exceptions can be caught in a throw clause?

- a. Division by zero exception
- b. Index out of bounds exception
- c. IOException@studywithhamza25
- d. Null pointer exception

4. In given lines of code Employee is super class, Teacher is child class, _____ is applying.

Employee e = new Teacher();

- a. upcasting Employee to Teacher type
- b. downcasting Employee to Teacher type
- c. downcasting Teacher to Employee type

d. **upcasting Teacher to Employee**
type@studywithhamza25

5. Which of the following streams is a Node stream?

- a. **BufferedReader**
- b. **PrintWriter**
- c. **FileWriter**@studywithhamza25
- d. All of given option

6. What will happen if static modifier is removed from the signature of main method?

- a. The program will compile and run successfully
- b. None of given options
- c. The program will not compile
- d. **The program will compile but not**
run@studywithhamza25

7. HashMap takes key as a/an _____

- a. **Object**@studywithhamza25
- b. **Function**
- c. **Array**
- d. **Primitive value**

8. A collection can store _____.

- a. At most 100 objects
- b. Homogenous objects
- c. Objects as well as primitive values
- d. **Heterogeneous objects**@studywithhamza25

9. _____ returns the elements at specified position in the list.
- Object set(int index)
 - Object get(int index) @studywithhamza25
 - Object return(int index)
 - Object remove(int index)
10. _____ is/are not part of java core language.
- Variables
 - Arrays
 - ArrayList class @studywithhamza25
 - Objects
11. To compile all the .java files, the java compiler is called _____, on UNIX or Windows.
- java c
 - javac @studywithhamza25
 - c java
 - cjava
12. The keyword "this" is used to _____.
- invoke constructor of super class from sub class
 - invoke alternate constructor of the same class @studywithhamza25
 - invoke constructor of sub class from super class
 - invoke constructor of the another class
13. _____ is/are not part of java core language.
- Objects

- b. ArrayList class@studywithhamza25
 - c. Variables
 - d. Arrays
14. Java is a _____ language
- a. Static
 - b. Not portable
 - c. Complicated
 - d. Multi threaded@studywithhamza25
15. To ensure that array accesses only with the allocated memory, the JVM performs _____ verification during runtime.
- a. static
 - b. dynamic@studywithhamza25
 - c. fixed
 - d. consistent
16. For each class contained in java source file, compiler generates _____ class file/s.
- a. one
 - b. three
 - c. four
 - d. two@studywithhamza25
17. In java, overloading is _____ whereas overriding is _____.
- a. Late binding, compile time binding
 - b. Run time binding, compile time binding

- c. **Compile time binding, run time binding**@studywithhamza25
- d. Run time binding, late time binding
18. The _____ is directly connected with keyboard.
- a. **Character oriented stream**@studywithhamza25
- b. Filter stream
- c. Node stream
- d. File stream
19. Java program is compiled into _____.
- a. **Byte code**@studywithhamza25 Machine code
- b. Native code
- c. Source code
20. Which command of the following commands is used to run "JavaTest" java file's program?
- a. java JavaTest.java
- b. **java JavaTest**@studywithhamza25
- c. javac JavaTest
- d. javac JavaTest.java
21. If the subclass overrides all the abstract methods of super class, then subclass is called _____.
- a. Parent class
- b. Abstract class
- c. Base class
- d. **Concrete class**@studywithhamza25
22. All the exceptions and errors in java are inherited from _____ class.

- a. Throwable@studywithhamza25
 - b. IOException
 - c. Exception
 - d. Error
23. Which of the following exceptions can be caught in a throw clause?
- a. IOException@studywithhamza25
 - b. Index out of bounds exception
 - c. Null pointer exception
 - d. Division by zero exception
24. The following is an example of _____.
- ```
FileReader fr = new FileReader("input.txt");
```
- a. Byte oriented stream
  - b. Node stream
  - c. Filter stream
  - d. File stream@studywithhamza25
25. Suppose strings are stored in a collection "arraylist".  
Get one string element and store in element variable.  
Choose correct line of code for this requirement.
- a. String element = element arraylist.get(i);
  - b. String element = (element) arraylist.get(i);
  - c. String element = String arraylist.get(i);
  - d. String element = (String)arraylist.get(i);
- @studywithhamza25
26. HashMap takes key as a/an \_\_\_\_\_
- a. Primitive value
  - b. Array

- c. **Object**@studywithhamza25
- d. Function
27. Exception handling code is written in \_\_\_\_\_
- a. finally block
- b. **catch block**@studywithhamza25
- c. try block
- d. throws clause
28. What feature from the list below does Java offer?
- a. Multiple Inheritance
- b. Pointers
- c. **Function Overriding**@studywithhamza25
- d. Operator Overloading
29. Choose the correct syntax to declare an abstract java class named as "Person".
- a. **abstract public class Person {}**
- b. **public class abstract Person {}**
- c. **public class Person abstract {}**
- d. **public abstract class Person {}**@studywithhamza25
30. Which of the following exceptions belongs to a category of checked exception?
- a. **IOException**@studywithhamza25
- b. Array index out of bounds
- c. Null Pointer exception
- d. NumberFormatException
31. In given lines of code \_\_\_\_\_ is static variable and \_\_\_\_\_ is static method.
- System.out.println("CS506");

JOptionPane.showMessageDialog(null,"CS506")

- a. Println, showMessageDialog
  - b. Println, JOptionPane
  - c. Out, showMessageDialog@studywithhamza25
  - d. System, JOptionPane
32. Strings in java are represented as \_\_\_\_\_
- a. Native data types
  - b. Operators
  - c. Primitive data types
  - d. Reference data types@studywithhamza25
33. It is verified by \_\_\_\_\_ that not all bytecodes violate java security restrictions.
- a. editor
  - b. compiler
  - c. class loader
  - d. bytecode verifier@studywithhamza25
34. Which of the following statements attaches an output stream to console?
- a. FileWriter fw = new FileWriter("output.txt");
  - b. FileWriter fw = new FileWriter(FileDescriptor.out);@studywithhamza25
  - c. FileWriter fw = new FileWriter(FileDescriptor);
  - d. FileWriter fw = new FileWriter(FileDescriptor.in);
35. Which of the following statements is true about primitive data types and reference data types?
- a. Both primitive data types and references are created on stack

- b. Both primitive data types and references are created on heap
  - c. Primitive data types are created on stack whereas references are created on heap
  - d. Primitive data types are created on heap whereas references are created on stack
36. In Java, static methods have direct access to \_\_\_\_\_.
- a. Static variables and methods
  - b. Both static and instance members
  - c. Instance variables
  - d. Instance methods
37. Which of the following exceptions belongs to a category of checked exception?
- a. IOException
  - b. NumberFormatException
  - c. Array index out of bounds
  - d. Null Pointer exception
38. Exception handling code is written in \_\_\_\_\_
- a. catch block
  - b. throws clause
  - c. finally block
  - d. try block
39. \_\_\_\_\_ is/are not part of java core language.
- a. Variables

- b. Objects
  - c. Arrays
  - d. **ArrayList class**@studywithhamza25
40. Which of the following is called “pure abstract class”?
- a. Abstract class with no abstract method
  - b. **Interface**@studywithhamza25
  - c. Concrete class
  - d. Wrapper class



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