



CS506- WEB DESIGN &
DEVELOP
(SUBJECTIVE)
FROM MIDTERM PAPERS
LECTURE (1-22)



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CS619 & CS519

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1. Suppose we have a text file "string.txt" and there is only one line written what will be the output of give programe in each of the following secenerio ? Strings.txt file is present in same directory where Fblock java is availbale . strings.txt file is not available

ANSWER:

```
import javax.swing.JOptionPane;
public class stringConcat {
    public static void main(String[] args) {
        String s1 = JOptionPane.showInputDialog("Enter first string:");
        String s2 = JOptionPane.showInputDialog("Enter second string:");
        String s3 = s1.concat(s2);
        System.out.println("Concatenated string: " + s3);
    }
}
```

2. Suppose we have a text file "string.txt" and there is only one line written what will be the output of give programe in each of the following secenerio ? Strings.txt file is present in same directory where Fblock java is availbale . strings.txt file is not available

Answer:

```
import java.io.*;
public class Fblock {
    public static void main(String[] args) {
        try {
            File file = new File("strings.txt");
```

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```
BufferedReader br = new BufferedReader(new FileReader(file));  
  
String line = br.readLine();  
  
System.out.println(line);  
  
br.close();  
  
} catch (IOException e) {  
    e.printStackTrace();  
}  
}  
}
```

3. Class person is base Class and students is child class. You are required to implement inheritance by writing Java code for following;

- Create person class (name and age attributes)
- Inherit person class from student class (without method and attributes)
- Call base class constructor explicitly from student class
- Create an object of student class by calling default constructor
- Create an object of person class by calling parameterized by constructor.

Answer:

```
class Person {  
    private String name;  
    private int age;  
    public Person() {  
        this("Unknown", 0);  
    }  
    public Person(String name, int age) {
```

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```
this.name = name;

this.age = age;

}

public String getName() {

    return name;

}

public void setName(String name) {

    this.name = name;

}

public int getAge() {

    return age;

}

public void setAge(int age) {

    this.age = age;

}

}

class Student extends Person {

    public Student() {

        super(); }

    public Student(String name, int age) {

        super(name, age); }

}
```

4. We can divide stream into two types of classes based on data. You are required to mention names of those stream type based on following cases.

- Class which contains the word stream in their name.

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- Class which contains the word reader/writer.

Answer:

In Java, there are two types of classes that are commonly used for working with streams of data:

Classes that contain the word "stream" in their name: These classes are used for working with streams of bytes. Examples include `InputStream`, `OutputStream`, `ByteArrayInputStream`, and `ByteArrayOutputStream`. These classes are typically used for low-level input/output operations, such as reading and writing binary data.

Classes that contain the word "reader" or "writer" in their name: These classes are used for working with streams of characters. Examples include `Reader`, `Writer`, `StringReader`, and `StringWriter`. These classes are typically used for high-level input/output operations, such as reading and writing text data.

It's worth noting that, `Java.io` package has multiple classes that can help you in reading/writing different types of data in different way. The aforementioned classes is one of the most common used in reading/writing data.

- 5. Suppose a resultSet Object rs is representing the table given below write java code of a new student record into resultset . sent Record Detail : rollno :13 , name : rida , subject: IT , Course : BSIT**

Answer:

```
import java.sql.*;

public class InsertRecord {

    public static void main(String[] args) throws SQLException {

        ResultSet rs = ...;

        rs.moveToInsertRow();

        rs.updateInt("rollno", 13);

        rs.updateString("name", "rida");
```

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```
rs.updateString("subject", "IT");
```

```
rs.updateString("course", "BSIT");
```

```
rs.insertRow();
```

```
}
```

```
}
```

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