J cheran kumar

Java 1

Sap id : 51834769

Answers…

4)

```java
import java.util.*;

public class Main {

    static int factorial(int a)
    {
        int res = 1;
        for (int m = 2; m <= a; m++)
        res *= m;
        return res;
    }

    static double sum(int a)
    {
        double sum = 0;
        for (int m = 1; m <= a; m++)
            sum += 1.0/factorial(m);
        return sum;
    }
```
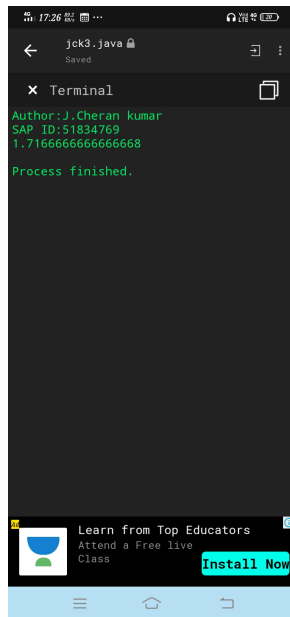
```java
    public static void main (String[] args)

    {

        System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");

        int a = 5;

        System.out.println(sum(a));

    }

}
```


5)

```java
import java.util.*;


public class Main
```

```java
{

    static int summation(int a)

    {

        System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");

        int sum = 0, y = 1;

        for (int x = 1; x <= a; x++)

        {

            sum = sum + y;

            y = (y * 10) + 1;

        }


        return sum;

    }


    public static void main(String args[])

    {

        int a = 5;

        System.out.println(summation(a));

    }
}
```
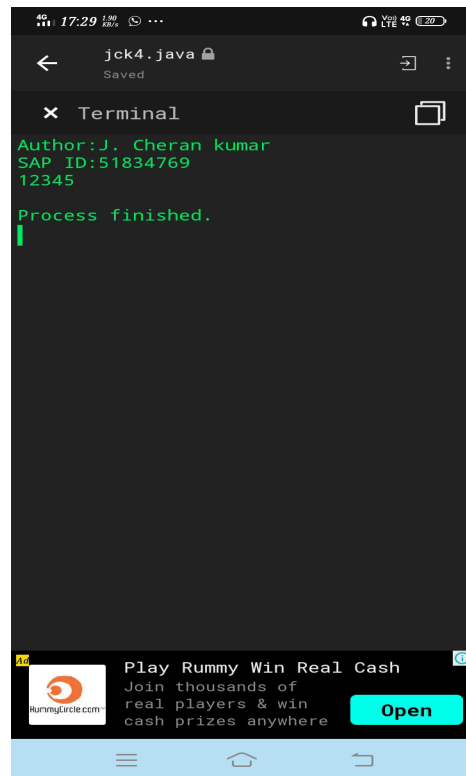

Terminal output:
```
Author:J. Cheran kumar
SAP ID:51834769
12345

Process finished.
```

Marks : 16