M.Likhitha.

SAP I'd : 51834624.

4th Question :
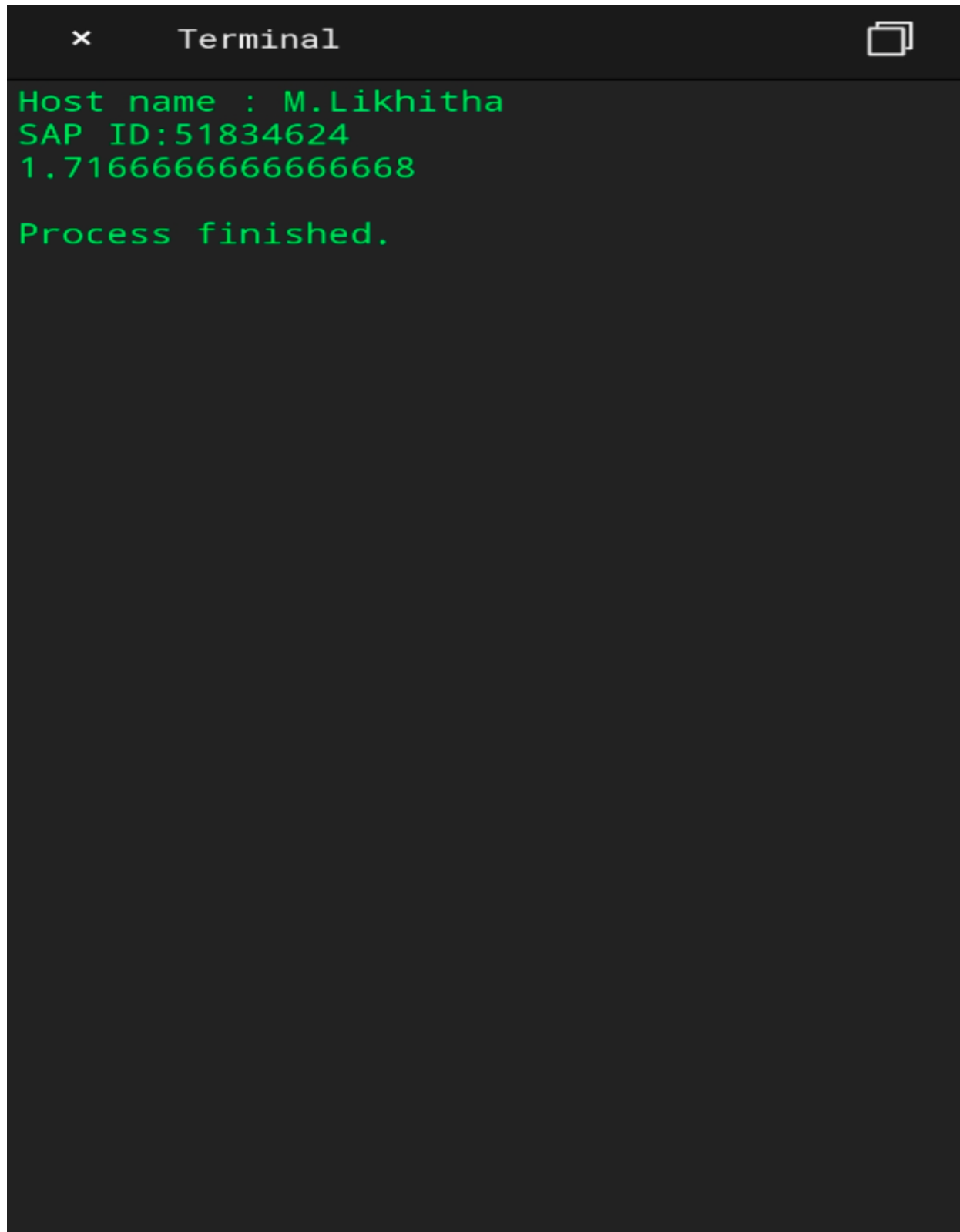
```java
import java.util.*;

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;
    }

    public static void main (String[] args)
    {
        System.out.println("Host name : M.Likh
        int a = 5;
        System.out.println(sum(a));
    }
}
```

Factor.java Saved

Try Dcoder's keyboard

Out put Screen :

```
Host name : M.Likhitha
SAP ID:51834624
1.7166666666666668

Process finished.
```
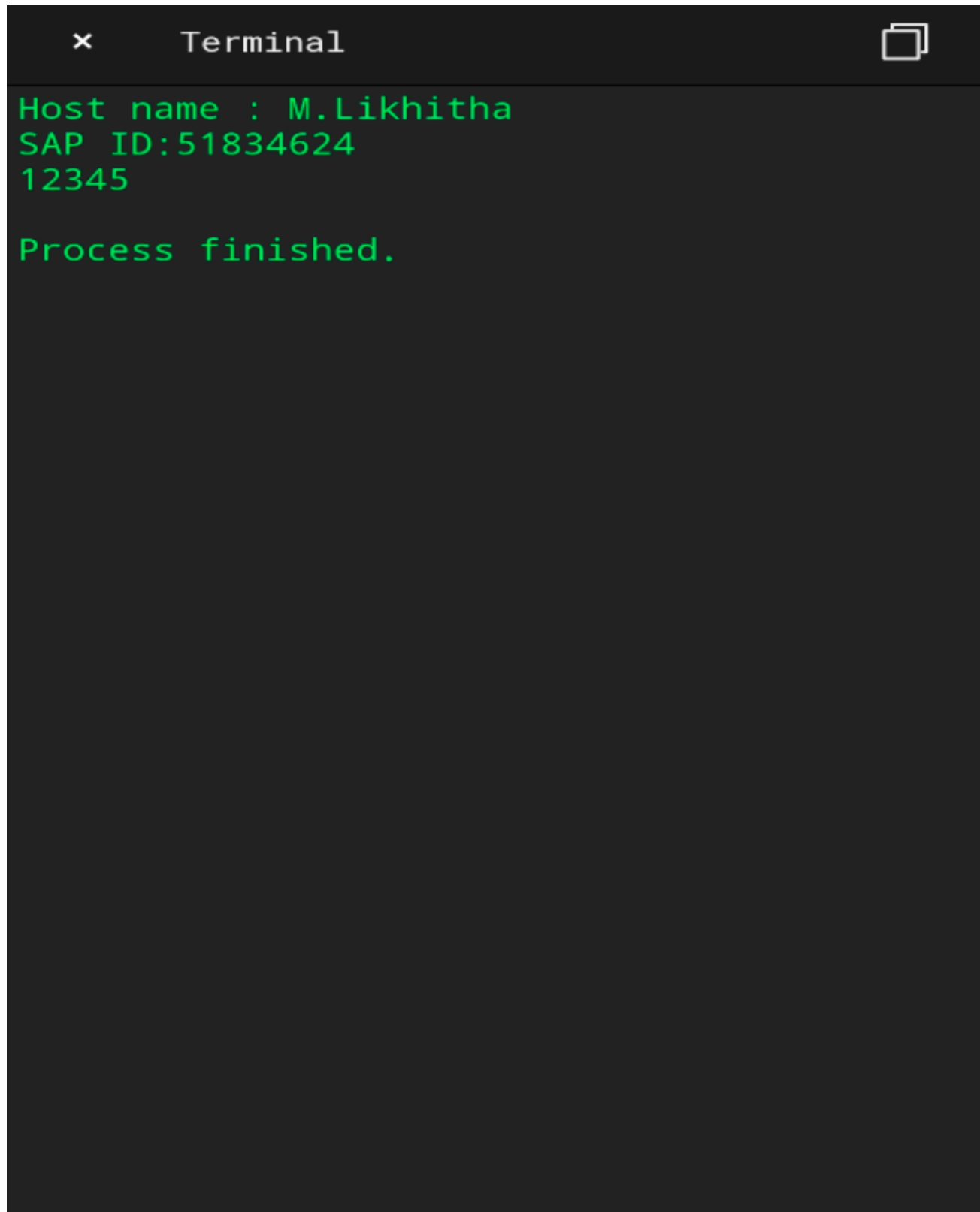
5th Question :

```java
import java.util.*;

public class Main
{

    static int summation(int a)
    {
        System.out.println("Host name : M.Likh
        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));
    }
}
```

Output Screen :

```
 ×        Terminal                        ▢

Host name : M.Likhitha
SAP ID:51834624
12345

Process finished.
```

Marks :16/20

Grade : 7/10