

M.Likhitha.

SAP I'd : 51834624.

4th Question :

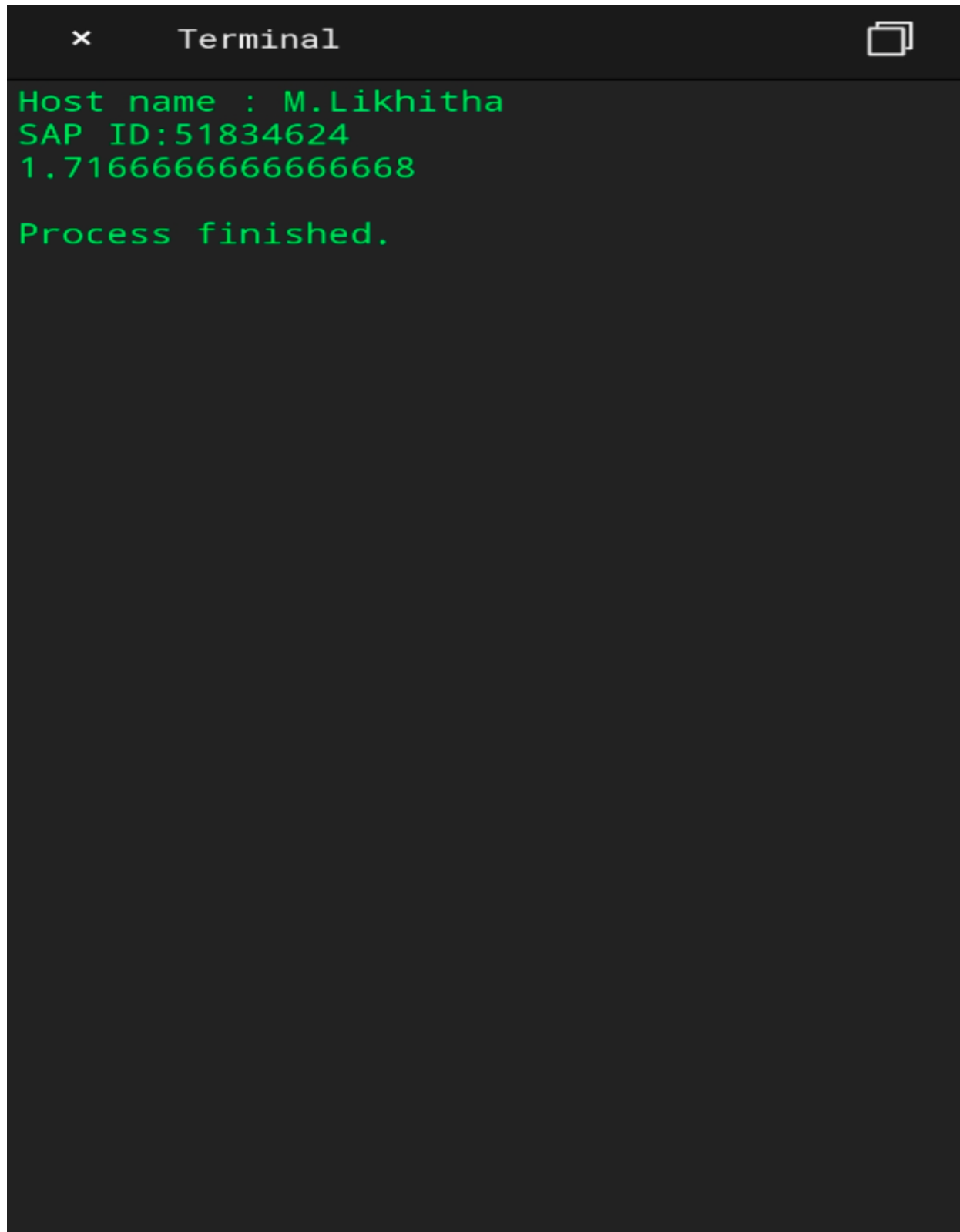
```
← Factor.java Saved ↗ ⋮
1  import java.util.*;
2
3  public class Main {
4
5      static int factorial(int a)
6      {
7          int res = 1;
8          for (int m = 2; m <= a; m++)
9              res *= m;
10         return res;
11     }
12
13     static double sum(int a)
14     {
15         double sum = 0;
16         for (int m = 1; m <= a; m++)
17             sum += 1.0/factorial(m);
18         return sum;
19     }
20
21     public static void main (String[] args)
22     {
23         System.out.println("Host name : M.Likhitha");
24         int a = 5;
25         System.out.println(sum(a));
26     }
27 }
```

Try Dcoder's keyboard ⌨️ ▶️



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Out put Screen :

A screenshot of a terminal window with a dark background. The window has a title bar with a close button (X), the text 'Terminal', and a maximize button. The terminal displays green text on three lines: 'Host name : M.Likhitha', 'SAP ID:51834624', and '1.7166666666666668'. Below these, it says 'Process finished.' on a fourth line.

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

Process finished.
```



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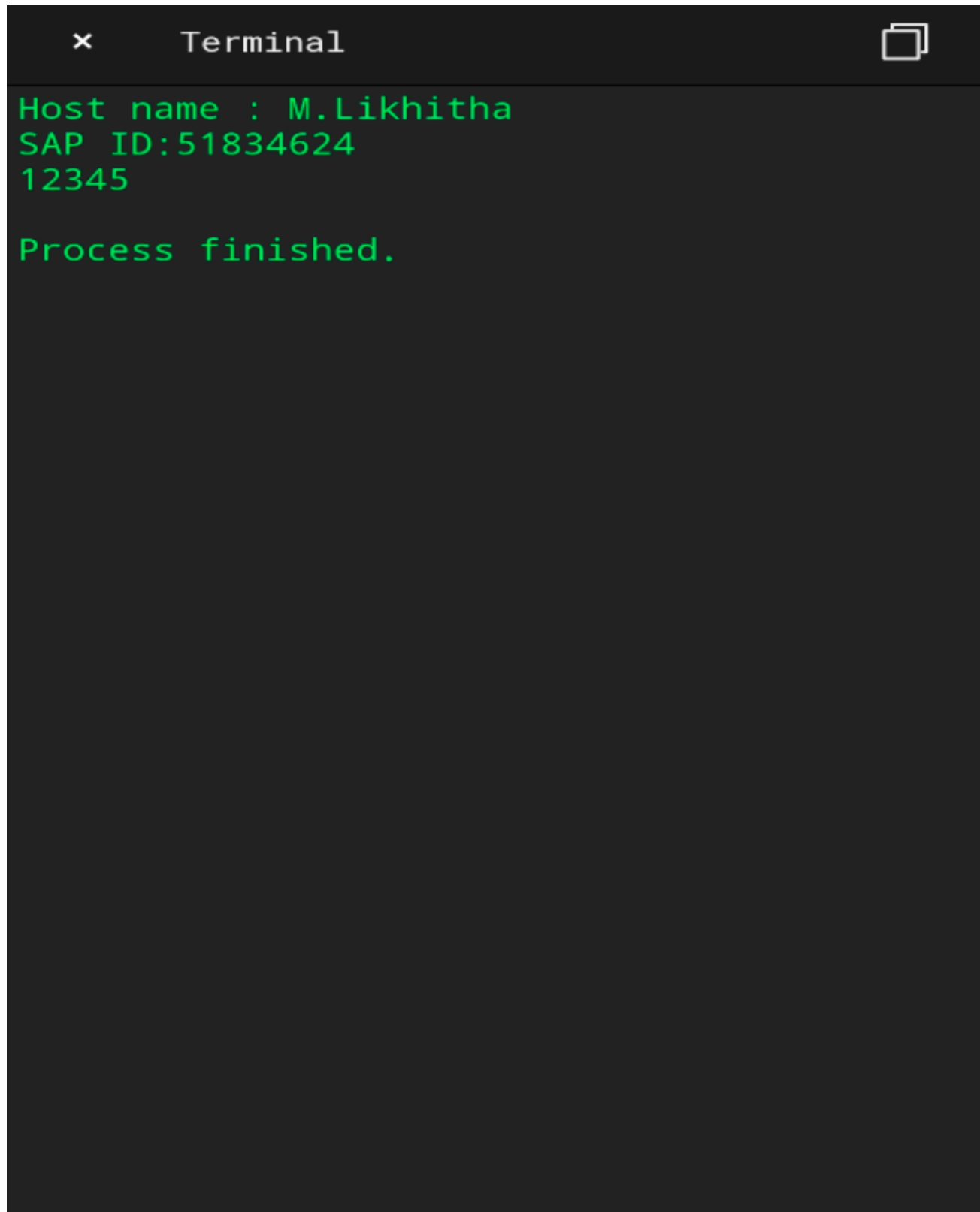
5th Question :

```
Summation.java
Saved

1  import java.util.*;
2
3  public class Main
4  {
5
6      static int summation(int a)
7      {
8          System.out.println("Host name : M.Likh")
9          int sum = 0, y = 1;
10         for (int x = 1; x <= a; x++)
11         {
12             sum = sum + y;
13             y = (y * 10) + 1;
14         }
15
16         return sum;
17     }
18
19     public static void main(String args[])
20     {
21         int a = 5;
22         System.out.println(summation(a));
23     }
24 }
```



Output Screen :

A screenshot of a terminal window with a dark background. The title bar at the top shows a close button (x), the word "Terminal", and a maximize button. The terminal content is displayed in green text. It shows the host name "M.Likhitha", the SAP ID "51834624", and the number "12345". Below these, it says "Process finished.".

```
Host name : M.Likhitha
SAP ID:51834624
12345

Process finished.
```



Marks :16/20

Grade : 7/10



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