

Assignment

4) 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)
```

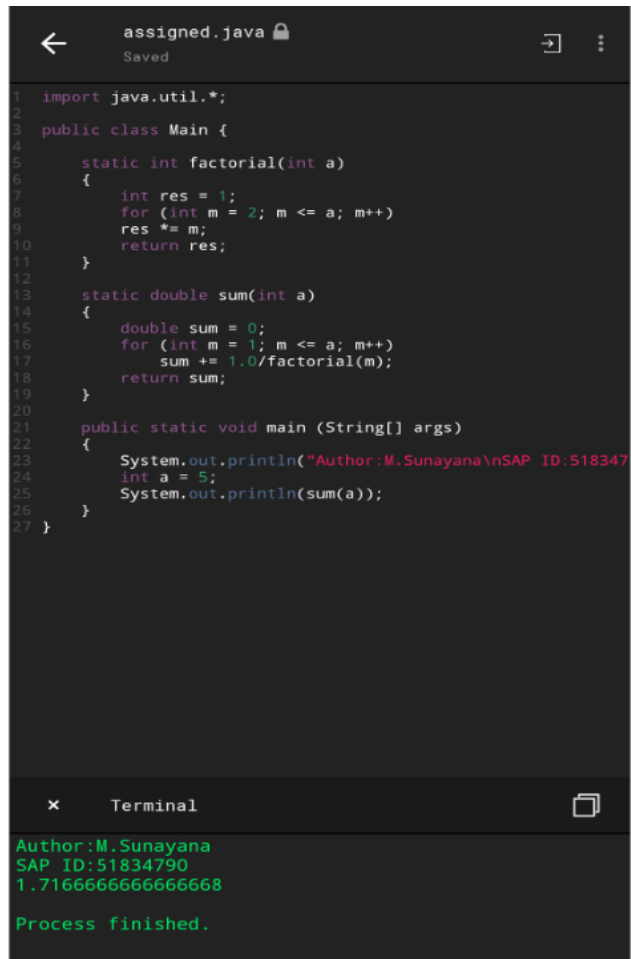
```
    {
```

```
        System.out.println("Author:M.Sunayana\nSAP ID:51834790");
```

```
        int a = 5;
```



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



```
← assigned.java Saved
1 import java.util.*;
2
3 public class Main {
4     static int factorial(int a)
5     {
6         int res = 1;
7         for (int m = 2; m <= a; m++)
8             res *= m;
9         return res;
10    }
11
12    static double sum(int a)
13    {
14        double sum = 0;
15        for (int m = 1; m <= a; m++)
16            sum += 1.0/factorial(m);
17        return sum;
18    }
19
20    public static void main (String[] args)
21    {
22        System.out.println("Author:M.Sunayana\nSAP ID:51834790");
23        int a = 5;
24        System.out.println(sum(a));
25    }
26 }
27
```

Terminal

```
Author:M.Sunayana
SAP ID:51834790
1.7166666666666668
Process finished.
```

5) import java.util.*;

public class Main

{

static int summation(int a)



```
{  
    System.out.println("Author:M.Sunayana\nSAP ID:51834790");  
    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));  
}  
}
```



←

assigned.java

🔒

→

⋮

Saved

1 import java.util.*;

2

3 public class Main

4 {

5

6 static int summation(int a)

7 {

8 System.out.println("Author:M.Sunayana\nSAP ID:51834790

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 }

✕

Terminal

📄

Author:M.Sunayana
SAP ID:51834790
12345

Process finished.