

WhatsApp

Online Java Compiler

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Online Java Compiler

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Interactive Java Course

Main.java

Run

Clear

```
1- import java.util.Scanner;
2- import java.lang.Math;
3-
4- public class simple_compound_interest
5- {
6-     public static void main(String[] args)
7-     {
8-         // create an object of Scanner class
9-         Scanner input = new Scanner(System.in);
10-
11-         // take input from users
12-         System.out.print("Enter the principal to be taken: ");
13-         double principal = input.nextDouble();
14-
15-         System.out.print("Enter the rate to specify : ");
16-         double rate = input.nextDouble();
17-
18-         System.out.print("Enter the time of duration : ");
19-         double time = input.nextDouble();
20-
21-         double S_1 = (principal * time * rate) / 100;
22-         double P_T = (principal * Math.pow(1 + rate / 100, time));
```

```
java -cp /tmp/8FVlyc8An simple_compound_interest
Enter the principal to be taken: 100000
Enter the rate to specify : 12
Enter the time of duration : 5
Principal: 100000.0
Interest Rate: 12.0
Time Duration: 5.0
Simple Interest: 60000.0
Compound Interest: 3.71292910
```

Windows

10:54 AM

11/10/2021

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Main.java

Run

Output

Clear

```
11
12 // take input from users
13 System.out.print("Enter the principal to be taken: ");
14 double principal = input.nextDouble();
15
16 System.out.print("Enter the rate to specify: ");
17 double rate = input.nextDouble();
18
19 System.out.print("Enter the time of duration: ");
20 double time = input.nextDouble();
21
22 double S.I = (principal * time * rate) / 100;
23 double C.I = (principal * Math.pow((1+rate),time))
    principal;
24
25 System.out.println("Principal: " + principal);
26 System.out.println("Interest Rate: " + rate);
27 System.out.println("Time Duration: " + time);
28 System.out.println("Simple Interest: " + S.I);
29 System.out.println("Compound Interest: " + C.I);
30
31 input.close();
32
```

```
java -cp /tmp/87Vjy9An simple_compound_interest
Enter the principal to be taken: 100000
Enter the rate to specify: 12
Enter the time of duration: 5
Principal: 100000.0
Interest Rate: 12.0
Time Duration: 5.0
Simple Interest: 60000.0
Compound Interest: 171292.910
```

Windows

10:41 AM


11/10/2021

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Main.java

14

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```
//
15
16 System.out.print("Enter the rate to specify : ");
17 double rate = input.nextDouble();
18
19 System.out.print("Enter the time of duration : ");
20 double time = input.nextDouble();
21
22 double S_I = (principal * time * rate) / 100;
23 double C_I = (principal * Math.pow((1+rate),time)) -
    principal;
24
25 System.out.println("Principal : " + principal);
26 System.out.println("Interest Rate : " + rate);
27 System.out.println("Time Duration : " + time);
28 System.out.println("Simple Interest : " + S_I);
29 System.out.println("Compound Interest : " + C_I);
30
31 input.close();
32 }
33 }
```

Run

Output

Clear

```
java -cp /tmp/jarlib/ SimpleCompoundInterest
Enter the principal to be taken: 50000
Enter the rate to specify : 10
Enter the time of duration : 3
Principal: 50000.0
Interest Rate: 10.0Time Duration: 3.0
Simple Interest: 15000.0
Compound Interest: 6.65E7
```

Windows

Taskbar icons

System tray

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Main.java

```
14 double principal = input.nextDouble();
15
16 System.out.print("Enter the rate to specify : ");
17 double rate = input.nextDouble();
18
19 System.out.print("Enter the time of duration : ");
20 double time = input.nextDouble();
21
22 double S_I = (principal * time * rate) / 100;
23 double C_I = (principal * Math.pow((1+rate),time)) -
    principal;
24
25 System.out.println("Principal : " + principal);
26 System.out.println("Interest Rate : " + rate);
27 System.out.println("Time Duration : " + time);
28 System.out.println("Simple Interest : " + S_I);
29 System.out.println("Compound Interest : " + C_I);
30
31 input.close();
32 }
33 }
```

Run

Output

Clear

Java -> /tmp/jg9r0d0qys-simple-compound-interest

```
Enter the principal to be taken: 30000
Enter the rate to specify : 4
Enter the time of duration : 2
Principal: 30000.0
Interest Rate: 4.0
Time Duration: 2.0
Simple Interest: 4800.0
Compound Interest: 34080.0
```

Windows taskbar: 8:07 AM, 11/10/2019