INTERNSAVY INTERNSHIP

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Sub: JAVA Programming

TASK1 SUBMISSION:

"temperature conversion tool that allow users to convert temperature from fahrenheit to celsius and vice versa."

```java
//Sakshi Uttam Kuyate as Java Programming Intern at INTERNSAVY

package internSavy;
import java.util.*;
class temperature
{
    double f,c;
    public temperature()        //constructor to initialise f and c
    {
        f=0.0;
        c=0.0;
    }
    double fahrenheit(double c)    //method which calculates fahrenheit temperature
    {
        return   ((9*c)/5)+32;
    }

    double celcius(double f)       //method which calculate celcius temperature
    {
        return   (f-32)*5/9;
    }
}
public class task_1 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.out.println("******temperature conversion tool that allow users to convert temperature\r\n"
                + "from fahrenheit to celsius and vice versa.******");
        double f,c;
        Scanner sc=new Scanner(System.in);
        temperature temp=new temperature();
        int ch;
```

```java
31          temperature temp=new temperature();
32          int ch;
33          do
34          {
35              System.out.println("\n\nChoose type of conversion \n 1.Fahrenheit to Celsius  \n 2.Celsius to Fahrenheit");
36              System.out.println("Enter your choice: ");
37              ch=sc.nextInt();
38          switch(ch)
39          {
40          case 1:
41              System.out.println("\n\nEnter  Celsius temperature");
42              c=sc.nextDouble();
43              double result=temp.fahrenheit(c);                          //calling
44              System.out.println("Fahrenheit temperature is = "+result);
45              break;
46
47          case 2:
48              System.out.println("\n\nEnter  Fahrenheit temperature");
49              f=sc.nextDouble();
50              result=temp.celcius(f);                                    //calling
51              System.out.println("Celsius temperature is = "+result);
52              break;
53
54
55          default:  System.out.println("please choose valid choice");
56
57          }
58
59          }while(ch<3);
60      }
61
62 }
```

📋 Problems ▪ Javadoc 🔲 Declaration 🖥 Console ×

task_1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (21-Jul-2023, 6:05:09 pm) [pid: 13620]

```
******temperature conversion tool that allow users to convert temperature
from fahrenheit to celsius and vice versa.******


Choose type of conversion
 1.Celsius to Fahrenheit
 2.Fahrenheit to Celsius
Enter your choice:
1


Enter  Celsius temperature
0
Fahrenheit temperature is = 32.0


Choose type of conversion
 1.Celsius to Fahrenheit
 2.Fahrenheit to Celsius
Enter your choice:
2


Enter  Fahrenheit temperature
32
Celsius temperature is = 0.0
```