Extra Practical No : 3

Problem Statement : Extra Practical 3: Write a program which takes degree celsius as an input and convert to fahrenheit and vice versa. (Formula: °F = (°C × (9/5)) + 32)

Input : Select your choice and enter the temperature as you choice.

Program :

```
import java.util.Scanner;

public class ET24BTCO156practical3
{
   public static void main(String[] args) {
      {
         Scanner sc=new Scanner(System.in);

         System.out.println("1.celsius to fahrenheit conversion
2.fahrenheit to celsius conversion");

         System.out.println("enter your choice :");
         int x=sc.nextInt();


         switch(x)
         {
            case 1:
System.out.println("enter the value of the temperature in degree celsius :");
               double c=sc.nextDouble();
               double f=(c*(9.0/5.0))+32;
System.out.println("the value of the temperature in fahrenheit is "+f);
               break;
          case 2:
System.out.println("enter the value of the temperature in fehrenheit  :");
               double fe=sc.nextDouble();
               double ce=((fe-32)*9)/5;
 System.out.println("the value of the temperature in celsius is "+ce);
```

```
                    break;

                default:
                    System.out.println("please enter valid choice!!");
                }



            }
        }
    }
```

Output :

```
1.celsius to fahrenheit conversion 2.fahrenheit to celsius conversion
enter your choice :
1
enter the value of the temperature in degree celsius :
20
the value of the temperature in fahrenheit is 68.0

c:\Users\ventura\OneDrive\Documents\Desktop\ROYAL\(JAVA-C)ET24BTCO156>
```