

PRACTICAL 07-08

PROGRAM:

```
package com.introduction.java;
import java.util.Scanner;
public class exp_7_8 {
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        double c,f,k,ans;
        int choice;
        char cam='y';
        System.out.println("Enter Celcius, Farenheit & Kelvin");
        c=sc.nextFloat();
        f=sc.nextFloat();
        k=sc.nextFloat();

        while(cam=='y')
        {
            System.out.println("Enter your choice:\n1.Celcius--
>Farenheit\n2.Celcius-->Kelvin\n3.Farenheit-->Celcius\n4.Farenheit--
>Kelvin\n5.Kelvin-->Celcius\n6.Kelvin-->Farenheit");
            choice=sc.nextInt();
            switch(choice)
            {
                case 1:
                    ans=(c*9/5)+32;
                    System.out.println("\nAnswer="+ans);
                    break;
                case 2:
                    ans=c+273.15;
                    System.out.println("\nAnswer="+ans);
                    break;
                case 3:
                    ans=(f-32)*5/9;
                    System.out.println("\nAnswer="+ans);
                    break;
                case 4:
```

```

        ans=(f-32)*5/9+273.15;
        System.out.println("\nAnswer="+ans);
        break;
    case 5:
        ans=k-273.15;
        System.out.println("\nAnswer="+ans);
        break;
    case 6:
        ans=(k-273.15)*9/5+32;
        System.out.println("\nAnswer="+ans);
        break;
    default:
        System.out.println("\nWrong Choice");
        break;
}
System.out.println("Do you wish to proceed? y or n");
cam=sc.next().charAt(0);
}
}
}

```

OUTPUT:

Enter Celcius, Farenheit & Kelvin

88

77

44

Enter your choice:

1.Celcius-->Farenheit

2.Celcius-->Kelvin

3.Farenheit-->Celcius

4.Farenheit-->Kelvin

5.Kelvin-->Celcius

6.Kelvin-->Farenheit

1

Answer=190.4

Do you wish to proceed? y or n

y

Enter your choice:

1.Celcius-->Farenheit

2.Celcius-->Kelvin

3.Farenheit-->Celcius

4.Farenheit-->Kelvin

5.Kelvin-->Celcius

6.Kelvin-->Farenheit

3

Answer=25.0

Do you wish to proceed? y or n

n