EXP 5 : <u>WRITE A PROGRAM ON PACKAGES</u>

PROBLEM STATEMENT : CONVERTING A GIVEN CURRENCY TO RUPEES EQUIVALENT BY IMPORTING THE PACKAGE IN WHICH THE DATA AND METHODS FOR THE SAME ARE DEFINED.

PROGRAM :

```java
// CLASS COUNTRY IN PACKAGE

package practicals.exp5;

public class Country
{   public float rupee = 74.25f;
    public float yen = 111.90f;
    public float saudi_Riyal =3.75f;
    public float swiss_Franc = 0.93f;


    public static void main(String[] args)
    {
       System.out.println("Class Currency includes US dollar equivalent of National currencies");

    }
}
```

```java
//CLASS CONVERT IN PACKAGE

package practicals.exp5;

public class Convert
{
    public void cont(float a, float b, float c)
    {   float k,i;
        k=a/b;
        i=c*k;
        System.out.println(i);
    }

    public static void main(String[] args)
    {
       System.out.println("Convert class contains the function to convert currencies");
    }
}
```

```java
//CLASS IN WHICH PACKAGE IS IMPORTED

package foreign;
import practicals.exp5.Country;
import practicals.exp5.Convert;
import java.util.*;

public class Menu
{   static double k;

    public static void main(String[] args)
    {
        Country cy = new Country();
        Convert ct = new Convert();
        Scanner sc =new Scanner(System.in);


        System.out.println("***Menu***");
        System.out.println("1.Yen to Rupees");
        System.out.println("2.Riyal to Rupees");
        System.out.println("3 Swiss Franc to Rupees ");


        System.out.println("Choose any Option:");
        int option = sc.nextInt();


 System.out.println("Enter the price in the particular currency you selected to convert to rs:");

        float k = sc.nextFloat();


        switch (option)
        {
         case 1:
             System.out.printf("\n %f Yen In Rs :", k);
             ct.cont(cy.rupee, cy.yen, k);
             break;

         case 2:
             System.out.printf("\n %f Riyal In Rs :", k);
             ct.cont(cy.rupee, cy.saudi_Riyal, k);
             break;

         case 3:
             System.out.printf("\n %f Swiss Franc In Rs :", k);
             ct.cont(cy.rupee, cy.swiss_Franc, k);
             break;

         default:
         System.out.println("Please select a valid option from menu");
        }

    }
}
```

OUTPUT:

```
"C:\Program Files\Java\jdk-11.0.12\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Comm
***Menu***
1.Yen to Rupees
2.Riyal to Rupees
3 Swiss Franc to Rupees
Choose any Option:
3
Enter the price in the particular currency you selected to convert to rs:
1000


 1000.000000 Swiss Franc In Rs :79838.7


Process finished with exit code 0
```