

# PROJECT – 2

**NAME OF THE PROJECT : CURRENCY CONVERTOR**

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## **PROJECT SUMMARY :**

The currency converter program is a compact tool designed to convert currency amounts from one denomination to another. Through user input, it takes in the initial amount, source currency code, and target currency code. By employing predefined exchange rates, it accurately calculates and reveals the equivalent amount in the desired target currency.

The program's structure includes the usage of a Scanner for user input, allowing the entry of the amount, source currency code, and target currency code. After fetching the exchange rates (though these are placeholder values for the sake of simplicity), the program employs a straightforward conversion formula. The calculated converted amount is then presented .

1. **Input:** The program take the input from the user in Indian Rupees .
2. **Output:** The converted amount is displayed to the user along with the source and target currencies. Output currencies are Doller, Pound, Eura, Yen, riggit, Rupiohs, Won, Dongs, Srilankan rupee, Nepalese rupee .

## INPUT :

```
import java.util.*;

public class Currencyconverter {

    public static void main (String [] args){

        double
doller,pound,euro,yen,ringgit,rupiahs,won,dongs,rupees,Rupees;

        // creating scanner object to take input from the user
        Scanner sc=new Scanner (System.in);

        System.out.println("please Enter the Amount in Rupees: ");

        double Amount=sc.nextDouble(); // Enter by user
        System.out.println("Choose the currency to convert :");
        System.out.println("Enter 1 : Dollar");
        System.out.println("Enter 2 : Pound");
        System.out.println("Enter 3 : Eura");
        System.out.println("Enter 4 : Yen");
        System.out.println("Enter 5 : Ringgit");
        System.out.println("Enter 6 : Rupiah");
        System.out.println("Enter 7 : Won");
        System.out.println("Enter 8 : Dong");
        System.out.println("Enter 9 : Sri Lankan Rupee");
        System.out.println("Enter 10 : Nepalese Rupee");

        System.out.println("Choose a number between (1-10)
representing a Currency : ");

        int choice=sc.nextInt(); // Choice from above option

        switch(choice){

            case 1: // convert in Dollar
            {
                dollar=Amount/82.8;
                System.out.println("converting " +Amount+" Rupees in
Doller :"+doller+" Dollers");
                break;
            }
        }
    }
}
```

```
}
case 2:
{
    pound=Amount/105.6;
    System.out.println("converting " + Amount+" Rupees in
Pound :"+pound+" Pounds");
    break;
}
case 3:
{
    euro=Amount/91;
    System.out.println("converting " + Amount+" Rupees in
Euro :"+euro+" Euros");
    break;
}
case 4:
{
    yen=Amount/0.58;
    System.out.println("converting " + Amount+" Rupees in
Yen :"+yen+" yens");
    break;
}
case 5:
{
    ringgit = Amount / 18.15;
    System.out.println("converting " + Amount + " Rupees in
Ringgit :"+ringgit+" Ringgits");
    break;
}
case 6: {
    rupiahs = Amount / 0.005;
    System.out.println("converting " + Amount + " Rupees in
Rupiah :"+rupiahs+" Rupiahs");
    break;
}
case 7:
{
    won = Amount / 0.061;
    System.out.println("converting " + Amount + " Rupees in
Won :"+won+" Wons");
    break;
}
```

```
        case 8:
        {
            dongs = Amount / 0.003;
            System.out.println("converting " + Amount + " Rupees in
Dong :" +dongs+" Dongs");
            break;
        }
        case 9:
        {
            rupees = Amount / 0.25;
            System.out.println("converting " + Amount + " Rupees in
Sri Lankan Rupee :" +rupees+" Rupees");
            break;
        }
        case 10:
        {
            Rupees = Amount / 0.62;
            System.out.println("converting " + Amount + " Rupees in
Nepalese Rupee :" +Rupees+" Rupees");
            break;
        }
        default:
            System.out.println("Invalid Input : please Enter between 1
to 5");
        }
        System.out.println("PROJECT BY : RAMAYYAGARI
DHANUSREE");
    }
}
```

# OUTPUT:

```
Currencyconverter x
/usr/lib/jvm/java-1.11.0-openjdk-amd64/bin/java -javaagent:/home/student/ideaIC-2022.2.3/idea-IC-222.4345.14/lib
please Enter the Amount in Rupees :
12
Choose the currency to convert :
Enter 1 : Dollar
Enter 2 : Pound
Enter 3 : Eura
Enter 4 : Yen
Enter 5 : Ringgit
Enter 6 : Rupiah
Enter 7 : Won
Enter 8 : Dong
Enter 9 : Sri Lankan Rupee
Enter 10 : Nepalese Rupee
Choose a number between (1-10) representing a Currency :
1
converting 12.0 Rupees in Doller :0.14492753623188406 Dollers
PROJECT BY : RAMAYYAGARI DHANUSREE
```