Day 18

Date : 28/01/25

Q32) WAP to create ~~loan calculator~~ currency converter.

→

```
import java.util.Scanner;
class Q32Currencyconverter
{
    public static void main (String args[])
    {
        System.out.println("\n currency converter");
        System.out.println("\n Enter Amount in INR:");

        float inr = new Scanner(System.in).nextFloat();

        System.out.print("LIST of currencies");
        System.out.print("\n1.USD \n.2EURO \n3.GBP
                          \n4.PNR \n.5. RENB \n6.YEN");
        System.out.print("\n Enter currency name:");
        String curr = new Scanner(System.in).next().toUpper
                                                  Case();
        float convertedcurr = of;

        if (curr.equals("USD"))
        {
            convertedcurr = inr / 86.57f;
            System.out.println(inr+ "INR = "+ String.format
                ("%.2f", convertedcurr)+ "USD");
        }
        else if(curr.equals("EURO"))
        {
            convertedcurr = inr / 90.26 / 86.57f;
            System.out.println(inr+ "INR" + convertedcurr+"Euro
        }
        else if(curr.equals("GBP"))
```

Date :

```
{
    convertedCurr = inr / 107.67f;
    Sout (inr + "INR = " + convertedCurr + "Pounds");
}
else if (curr.equals ("PHN"))
{
    convertedCurr = inr / 0.31f;
    Sout (inr + "INR = " + convertedCurr + "PHN");
}
else if (curr.equals ("REND"))
{
    convertedCurr = inr / 0.22f;
    Sout (inr + "INR = " + convertedCurr + "REND");
}
else if (curr.equals ("YEN"))
{
    convertedCurr = inr / 86.56f;
    System.out.println (inr + "INR = " + convertedCurr + "YEN");
}
else
{
    System.out.println ("Invalid Output");
}
}
}
```

P33) WAP to creat loal calculator program.

→

```
import java.util.Scanner;
class P33loanCalculator
{
```

Date :

```
public static void main (String args[])
{
    Scanner sc = new Scanner (System.in);
    float years = 0;
    System.out.println("Enter Amount : ");
    float amt = sc.nextFloat();

    System.out.println("Enter ROI : ");
    float roi = sc.nextFloat();

    System.out.println("Enter Tenure (in months) : ");
    int months = sc.nextInt();
    if(months <= 12)
    {
        years = months;
    }
    else
    {
        if(months%12 * 0.1f <= 0.9)
        {
            years = (months/12 + (months%12) * 0.1f);
        }
        else
        {
            years = (months/12 + (months%12) * 0.01f);
        }
    }
    System.out.println("*** LOAN calculator ***");
    System.out.println("Priciple Amount :" + amt);
    System.out.println("ROI : " + roi + "%");
    System.out.println("Tenure : " + months + " Months");
```

Rainbow

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Date :

```
float intYear = amt * roi / 100;
float totalInterr = intYear * years;

System.out.println ("Interest : " + totalInterr);
float OutStanding = amt + totalInterr;

System.out.println ("Total Outstanding Amount: "
        + outStanding);

System.out.println ("EMI " + (outStanding / months));
    }
}
```