CURRENCY EXCHANGE APPLICATION USING JAVA

```java
import java.text.NumberFormat;
import java.util.Locale;
import java.util.Scanner;

interface Hai
{
        public void currency();
}

class Hello implements Hai
{
@Override
        public void currency()

        {
                // TODO Auto-generated method stub
                System.out.print("Enter the amount: ");
                Scanner sc=new Scanner(System.in);
                double amount=sc.nextDouble();
                System.out.println(" ");
                System.out.println("1.US 2.INDIA 3.CANADA ");
                System.out.println(" ");
                System.out.print("Select your country: ");
                int country=sc.nextInt();
                switch(country)
                {
                case 1:
                        if(country==1)
                        {
                        System.out.println(" ");
                        System.out.println("Selected US");
                        System.out.println(" ");
        System.out.println("1.CANADA 2.JAPAN 3.UK 4.CHINA 5.GERMANY 6.KOREA
7.ITALY 8.FRANCE 9.INDIA");
                        System.out.println(" ");
                        System.out.print("Select your country to exchnage: ");
                        int n=sc.nextInt();
                        System.out.println(" ");

                        if(n==1)
                        {
                                try
                                {
                        double exchange=(amount*0.00935297);
```

```java
NumberFormat f1=NumberFormat.getCurrencyInstance(Locale.CANADA);
String s1=f1.format(exchange);
System.out.print("US to Canada: "+s1);

                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }

            if(n==2)
            {
                    try
                    {
                            //System.out.println("US to Japan Exchange");
                            double exchange=(amount*1.31506);
NumberFormat f2=NumberFormat.getCurrencyInstance(Locale.JAPAN);
                            String s2=f2.format(exchange);
                            System.out.print("US to Japan: "+s2);

                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }

            if(n==3)
            {
                    try
                    {
                            //System.out.println("US to Japan Exchange");
                            double exchange=(amount*0.815267);
            NumberFormat f3=NumberFormat.getCurrencyInstance(Locale.UK);
                            String s3=f3.format(exchange);
                            System.out.print("US to UK: "+s3);

                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }
```

```java
if(n==4)
{
        try
        {
                //System.out.println("US to Japan Exchange");
                double exchange=(amount*0.815267);
NumberFormat f4=NumberFormat.getCurrencyInstance(Locale.CHINESE);
                String s4=f4.format(exchange);
                System.out.print("US to CHINESE: "+s4);

        }
        catch(NumberFormatException e)
        {
                System.out.println(" ");
        }

}

if(n==5)
{
        try
        {
                //System.out.println("US to Japan Exchange");
                double exchange=(amount*0.899831);
NumberFormat f5=NumberFormat.getCurrencyInstance(Locale.GERMAN);
                String s5=f5.format(exchange);
                System.out.print("US to GERMANY: "+s5);

        }
        catch(NumberFormatException e)
        {
                System.out.println(" ");
        }

}

if(n==6)
{
        try
        {
                //System.out.println("US to Japan Exchange");
                double exchange=(amount*900.03);
   NumberFormat f6=NumberFormat.getCurrencyInstance(Locale.KOREA);
                String s6=f6.format(exchange);
                System.out.print("US to KOREA: "+s6);

        }
        catch(NumberFormatException e)
```

```java
                    {
                            System.out.println(" ");
                    }

            }
            if(n==7)
            {
                    try
                    {
                            //System.out.println("US to Japan Exchange");
                            double exchange=(amount*1742.32);
NumberFormat f7=NumberFormat.getCurrencyInstance(Locale.ITALIAN);
                            String s7=f7.format(exchange);
                            System.out.print("US to ITALY: "+s7);


                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }

            if(n==8)
            {
                    try
                    {
                            //System.out.println("US to Japan Exchange");
                            double exchange=(amount*0.899831);
NumberFormat f8=NumberFormat.getCurrencyInstance(Locale.FRANCE);
                            String s8=f8.format(exchange);
                            System.out.print("US to FRANCE: "+s8);


                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }
            }
                    if(n==9)
                    {
                            try
                            {
                                    //System.out.println("US to Japan Exchange");
                                    double exchange=(amount*71.6816);
                                    Locale indialocale=new Locale("en","IN");
        NumberFormat format2=NumberFormat.getCurrencyInstance(indialocale);
                            String india=format2.format(exchange);
```

```java
                        System.out.print("US to India: "+india);

                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        break;


        }

                }
        case 2:if(country==2)
        {
        System.out.println(" ");
        System.out.println("Selected INDIA");
        System.out.println(" ");
        System.out.println("1.CANADA 2.JAPAN 3.UK 4.CHINA 5.GERMANY 6.KOREA
7.ITALY 8.FRANCE 9.US");
        System.out.println(" ");
        System.out.print("Select your country to exchnage: ");
        int n=sc.nextInt();
        System.out.println(" ");

        if(n==1)
        {
                try
                {
                        double exchange=(amount*54.5090);
                        NumberFormat
f1=NumberFormat.getCurrencyInstance(Locale.CANADA);
                        String s1=f1.format(exchange);
                        System.out.print("India to Canada: "+s1);

                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        }

        if(n==2)
        {
                try
                {
```

```java
            //System.out.println("US to Japan Exchange");
            double exchange=(amount*1.49153);
NumberFormat f2=NumberFormat.getCurrencyInstance(Locale.JAPAN);
            String s2=f2.format(exchange);
            System.out.print("INDIA to Japan: "+s2);


        }
        catch(NumberFormatException e)
        {
            System.out.println(" ");
        }

}

if(n==3)
{
        try
        {
            //System.out.println("US to Japan Exchange");
            double exchange=(amount*0.0113775);
        NumberFormat f3=NumberFormat.getCurrencyInstance(Locale.UK);
            String s3=f3.format(exchange);
            System.out.print("INDIA to UK: "+s3);


        }
        catch(NumberFormatException e)
        {
            System.out.println(" ");
        }

}

if(n==4)
{
        try
        {
            //System.out.println("US to Japan Exchange");
            double exchange=(amount*0.0992678);
NumberFormat f4=NumberFormat.getCurrencyInstance(Locale.CHINESE);
            String s4=f4.format(exchange);
            System.out.print("INDIA to CHINESE: "+s4);


        }
        catch(NumberFormatException e)
        {
            System.out.println(" ");
        }
```

```java
        }

        if(n==5)
        {
                try
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*0.0125428);
NumberFormat f5=NumberFormat.getCurrencyInstance(Locale.GERMAN);
                        String s5=f5.format(exchange);
                        System.out.print("INDIA to GERMANY: "+s5);


                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        }

        if(n==6)
        {
                try
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*12.5521);
NumberFormat f6=NumberFormat.getCurrencyInstance(Locale.KOREA);
                        String s6=f6.format(exchange);
                        System.out.print("INDIA to KOREA: "+s6);


                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        }
        if(n==7)
        {
                try
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*24.2863);
NumberFormat f7=NumberFormat.getCurrencyInstance(Locale.ITALIAN);
                        String s7=f7.format(exchange);
                        System.out.print("INDIA to ITALY: "+s7);


                }
```

```java
			catch(NumberFormatException e)
			{
				System.out.println(" ");
			}

		}

	if(n==8)
	{
		try
		{
			//System.out.println("US to Japan Exchange");
			double exchange=(amount*0.0125428);
NumberFormat f8=NumberFormat.getCurrencyInstance(Locale.FRANCE);
			String s8=f8.format(exchange);
			System.out.print("INDIA to FRANCE: "+s8);

		}
		catch(NumberFormatException e)
		{
			System.out.println(" ");
		}
	}
		if(n==9)
		{
			try
			{
				//System.out.println("US to Japan Exchange");
				double exchange=(amount*0.0139506);
	NumberFormat format2=NumberFormat.getCurrencyInstance(Locale.US);
			String india=format2.format(exchange);
				System.out.print("INDIA to US: "+india);

			}
			catch(NumberFormatException e)
			{
				System.out.println(" ");
			}

	break;


	}
}


	case 3:if(country==3)
	{
	System.out.println(" ");
```

```java
            System.out.println("Selected CANADA");
            System.out.println(" ");
    System.out.println("1.INDIA 2.JAPAN 3.UK 4.CHINA 5.GERMANY 6.KOREA 7.ITALY
8.FRANCE 9.US");
            System.out.println(" ");
            System.out.print("Select your country to exchnage: ");
            int n=sc.nextInt();
            System.out.println(" ");

            if(n==1)
            {
                    try
                    {
                            double exchange=(amount*54.5090);
                            Locale indialocale=new Locale("en","IN");
                    NumberFormat format2=NumberFormat.getCurrencyInstance(indialocale);
                      String india=format2.format(exchange);
                            System.out.print("CANADA to INDIA: "+india);

                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }

            if(n==2)
            {
                    try
                    {
                            //System.out.println("US to Japan Exchange");
                            double exchange=(amount*81.3020);
                NumberFormat f2=NumberFormat.getCurrencyInstance(Locale.JAPAN);
                            String s2=f2.format(exchange);
                            System.out.print("CANADA to JAPAN: "+s2);

                    }
                    catch(NumberFormatException e)
                    {
                            System.out.println(" ");
                    }

            }

            if(n==3)
            {
                    try
```

```java
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*0.620177);
                        NumberFormat f3=NumberFormat.getCurrencyInstance(Locale.UK);
                        String s3=f3.format(exchange);
                        System.out.print("CANADA to UK: "+s3);

                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        }

        if(n==4)
        {
                try
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*5.40922);
NumberFormat f4=NumberFormat.getCurrencyInstance(Locale.CHINESE);
                        String s4=f4.format(exchange);
                        System.out.print("CANADA to CHINESE: "+s4);

                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }

        }

        if(n==5)
        {
                try
                {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*0.683332);
NumberFormat f5=NumberFormat.getCurrencyInstance(Locale.GERMAN);
                        String s5=f5.format(exchange);
                        System.out.print("CANADA to GERMANY: "+s5);

                }
                catch(NumberFormatException e)
                {
                        System.out.println(" ");
                }
```

```java
		}

		if(n==6)
		{
			try
			{
				//System.out.println("US to Japan Exchange");
				double exchange=(amount*683.976);
NumberFormat f6=NumberFormat.getCurrencyInstance(Locale.KOREA);
				String s6=f6.format(exchange);
				System.out.print("CANADA to KOREA: "+s6);


			}
			catch(NumberFormatException e)
			{
				System.out.println(" ");
			}

		}
		if(n==7)
		{
			try
			{
				//System.out.println("US to Japan Exchange");
				double exchange=(amount*1323.12);
NumberFormat f7=NumberFormat.getCurrencyInstance(Locale.ITALIAN);
				String s7=f7.format(exchange);
				System.out.print("CANADA to ITALY: "+s7);


			}
			catch(NumberFormatException e)
			{
				System.out.println(" ");
			}

		}

		if(n==8)
		{
			try
			{
				//System.out.println("US to Japan Exchange");
				double exchange=(amount*0.683332);
NumberFormat f8=NumberFormat.getCurrencyInstance(Locale.FRANCE);
				String s8=f8.format(exchange);
				System.out.print("CANADA to FRANCE: "+s8);
```

```java
                }
                catch(NumberFormatException e)
                {
                    System.out.println(" ");
                }
            }
                if(n==9)
                {
                    try
                    {
                        //System.out.println("US to Japan Exchange");
                        double exchange=(amount*0.899831);
                NumberFormat format2=NumberFormat.getCurrencyInstance(Locale.US);
                        String india=format2.format(exchange);
                        System.out.print("CANADA to US: "+india);

                    }
                    catch(NumberFormatException e)
                    {
                        System.out.println(" ");
                    }

            break;


        }
}


}
}
}
public class Currency extends hello {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.out.println("   ");
        System.out.println("   ");
        System.out.println("                                Satya Currency Exchange Company
Pvt.ltd");
        System.out.println("   ");

System.out.println("***********************************************************
*********************************************************** ");
        System.out.println("   ");

        System.out.println("   ");
```

```
                    Currency c=new Currency();
                    c.currency();


            }

    }

    Output:
```

```
                    Satya Currency Exchange Company Pvt.ltd

*********************************************************************************************************

Enter the amount: 5000

1.US 2.INDIA 3.CANADA

Select your country: 1

Selected US

1.CANADA 2.JAPAN 3.UK 4.CHINA 5.GERMANY 6.KOREA 7.ITALY 8.FRANCE 9.INDIA

Select your country to exchnage: 9

US to India: Rs.358,408.00
```