Ex2.java:

```
import CurrencyConverter.CurrencyConverter;
import DistanceConverter.DistanceConverter;
import TimeConverter.TimeConverter;
import java.util.Scanner;
public class ex2 {
   public static void main(String[] args) {
      CurrencyConverter c_conv = new CurrencyConverter();
      DistanceConverter d_conv = new DistanceConverter();
      TimeConverter t_conv = new TimeConverter();
      Scanner input= new Scanner(System.in);
      System.out.println("Enter the corresponding number :");
      System.out.println("1.Currency Conversion.  2.Distance Conversion.  3.Time
Conversion.");
      int choose = input.nextInt();
      switch (choose) {
         case 1:
            System.out.println("1.dollor to inr.   2.inr to dollor   3.euro to inr   4.inr to
euro   5.yen to inr   6.inr to yen");
            int choose1=input.nextInt();
            switch (choose1) {
               case 1:
                  System.out.println("Enter the number in dollor:");
                  double dol=input.nextInt();
                  System.out.println("Inr :"+c_conv.dollortoinr(dol));
                  break;
               case 2:
                  System.out.println("Enter the number in inr:");
                  double inr=input.nextInt();
```

```
            System.out.println("Dollor :"+c_conv.inrtodollor(inr));
            break;
        case 3:
            System.out.println("Enter the number in euro:");
            double euro=input.nextInt();
            System.out.println("inr :"+c_conv.eurotoinr(euro));
            break;
        case 4:
            System.out.println("Enter the number in inr:");
            double inr1=input.nextInt();
            System.out.println("euro :"+c_conv.inrtoeuro(inr1));
            break;
        case 5:
            System.out.println("Enter the number in yen:");
            double yen=input.nextInt();
            System.out.println("Inr :"+c_conv.yentoinr(yen));
            break;
        case 6:
            System.out.println("Enter the number in inr:");
            double inr2=input.nextInt();
            System.out.println("yen :"+c_conv.inrtoyen(inr2));
            break;
        default:
            System.out.println("Invalid number.");
            break;
    }
    break;
case 2:
```

```
        System.out.println("1.meter to km   2.km to meter   3.miles to km   4.km to miles
");
        int choose2=input.nextInt();
        switch (choose2) {
          case 1:
            System.out.println("Enter the number in meter:");
            double met=input.nextInt();
            System.out.println("km : "+d_conv.metertokm(met));
            break;
          case 2:
            System.out.println("Enter the number in km:");
            double km=input.nextInt();
            System.out.println("meter : "+d_conv.kmtometer(km));
            break;
          case 3:
            System.out.println("Enter the number in miles:");
            double mil=input.nextInt();
            System.out.println("km : "+d_conv.milestokm(mil));
            break;
          case 4:
            System.out.println("Enter the number in km:");
            double km1=input.nextInt();
            System.out.println("miles : "+d_conv.kmtomiles(km1));
            break;
          default:
            System.out.println("Invalid number.");
            break;
        }
```

```
            break;
          case 3:
            System.out.println("1.hours to minutes   2.minutes to hours   3.hours to seconds   4.seconds to hours");
            int choose3=input.nextInt();
            switch (choose3) {
              case 1:
                System.out.println("Enter the number in hours:");
                double hour=input.nextInt();
                System.out.println("minutes : "+t_conv.hourstominutes(hour));
                break;
              case 2:
                System.out.println("Enter the number in minutes:");
                double minu=input.nextInt();
                System.out.println("hours : "+t_conv.minutestohours(minu));
                break;
              case 3:
                System.out.println("Enter the number in hours:");
                double hour1=input.nextInt();
                System.out.println("seconds : "+t_conv.hourstoseconds(hour1));
                break;
              case 4:
                System.out.println("Enter the number in seconds:");
                double sec=input.nextInt();
                System.out.println("hours : "+t_conv.secondstohours(sec));
                break;
              default:
                System.out.println("Invalid number.");
```

```
                break;
            }
            break;
          default:
            System.out.println("Invalid Number .");
      }
      input.close();
   }

}
```

CurrencyConverter.java :

```
package CurrencyConverter;

public class CurrencyConverter {
   public double dollortoinr(double dol){
      double inr = dol*85.74;
      return inr;
   }
   public double inrtodollor(double inr){
      double dol = inr/85.74;
      return dol;
   }
   public double eurotoinr(double eur){
      double inr = eur * 98.05;
      return inr;
   }
   public double inrtoeuro(double inr){
      double eur = inr / 98.05;
```

```
        return eur;
    }
    public double yentoinr(double yen){
        double inr = yen*0.5788;
        return inr;
    }
    public double inrtoyen(double inr){
        double yen = inr / 0.5788;
        return yen;
    }
}
```

DistanceConverter.java :

```
package DistanceConverter;

public class DistanceConverter {
    public double metertokm(double met){
        double km = met/1000;
        return km;
    }
    public double kmtometer(double km){
        double met = km*1000;
        return met;
    }
    public double milestokm(double mil){
        double km = mil*1.60934;
        return km;
    }
```

```
    public double kmtomiles(double km){
        double mil = km / 1.60934;
        return mil;
    }
};
```

TimeConverter.java :

```
package TimeConverter;

public class TimeConverter {
    public double hourstominutes(double hour){
        double minu = hour*60;
        return minu;
    }
    public double minutestohours(double minu){
        double hour = minu/60;
        return hour;
    }
    public double hourstoseconds(double hour){
        double sec = hour*60*60;
        return sec;
    }
    public double secondstohours(double sec){
        double hour = sec/60/60;
        return hour;
    }
};
```