# Experiment-9

# Code:

package distanceconversion;

import java.util.\*;

public class Distance

{

double km,m,miles;

Scanner sc = new Scanner(System.in);

public void kmtom()

{

System.out.print("Enter in km ");

km=sc.nextDouble();

m=(km\*1000);

System.out.println(km+"km" +"equal to"+m+"metres");

}

public void mtokm()

{

System.out.print("Enter in meter ");

m=sc.nextDouble();

km=(m/1000);

System.out.println(m+"m" +"equal to"+km+"kilometres");

}

public void milestokm()

{

System.out.print("Enter in miles");

miles=sc.nextDouble();

km=(miles\*1.60934);

System.out.println(miles+"miles" +"equal to"+km+"kilometres");

}

public void kmtomiles()

{

System.out.print("Enter in km");

km=sc.nextDouble();

miles=(km\*0.621371);

System.out.println(km+"km" +"equal to"+miles+"miles");

}

}

import java.util.\*;

import java.io.\*;

import distanceconversion.\*;

class Converter

{

public static void main(String args[])

{

Scanner s=new Scanner(System.in);

int choice,ch;

System.out.println("8.kilometer to meter ");

System.out.println("9.Miles to kilometer ");

System.out.println("10.kilometer to miles");

System.out.println("Enter ur choice");

choice=s.nextInt();

switch(choice)

break;

}

case 1 :

{

d.mtokm();

break;

}

case 2 :

{

d.kmtom();

break;

}

case 3 :

{

d.milestokm();

break;

}

case 4 :

{

d.kmtomiles();

break;

}

System.out.println("Enter 0 to quit and 1 to continue ");

ch=s.nextInt();

}while(ch==1);

}

}