**A cab booking app is to be launched. The task is to store data of Passengers in a class**

**with attributes Name, Mobile, distance and fare. Write mutators for**

**a) name – has only characters**

**b) mobile – 10 digits**

**c) distance - must be a positive value (in terms of kms)**

**A method to compute fare at the rate of Rs.10 per km and toString() method to print**

**data. Modularize to package level with main () in PassengerDemo class to create an**

**object and obtain the data through console.**

**package** level;

**class** CabApp {

**private** String name;

**private** **int** num;

**private** **double** distance;

**public** **void** setA(String pname)

{

name=pname;

}

**public** **void** setB(**int** phone)

{

num=phone;

}

**public** **void** setC(**double** d)

{

distance=d;

}

**public** String getA()

{

**return** name;

}

**public** **int** getB()

{

**return** num;

}

**public** String getC()

{

**return** distance+"km";

}

**public** String fare()

{

**return** "Rs"+ distance\*10;

}

**public** String toString()

{

String str=String.*format*("name:%s%n num:%s%n distance:%s%n fare:%s%n",getA(),getB(),getC(),fare());

**return** str;

}

}

**package** level;

**import** java.util.Scanner;

**public** **class** CabDemo {

**public** **static** **void** main(String args[]) {

CabApp c =**new** CabApp();

Scanner s=**new** Scanner(System.***in***);

System.***out***.println("Enter the name:");

c.setA(s.next());

System.***out***.println("Enter the phone number:");

c.setB(s.nextInt());

System.***out***.println("Enter the distance:");

c.setC(s.nextDouble());

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

}

}

**OUTPUT:**

**Graphical user interface, text, application

Description automatically generated**