1. WAP for below requirement:

Create a class Circle

Radius is Non static.

Initialise the radius of the circle by taking input from user.

Create methods to find:

a. diameter of the circle

b. circumference of the circle

c. area of the circle

d. Display details of circle in a method

Call the methods from main method and display the details of the circle also.

**import** java.util.Scanner;

**public** **class** Circle

{

**double** radius;

**void** diameter()

{

System.***out***.println("a.diameter of the circle"+radius\*2);

}

**void** circumference()

{

System.***out***.println("circumference of the circle :"+3.14\*radius\*2);

}

**void** area()

{

System.***out***.println("area of the circle :"+Math.***PI***\*Math.*pow*(radius, 2));

}

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

{

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

Circle c=**new** Circle();

c.radius=sc.nextDouble();

c.diameter();

c.circumference();

c.area();

}

}

2. WAP for the below requirement:

a. VandeBharat Express departs at 7 pm and takes

6hrs to reach the destination.

b. ShatabdiExpress departs at 7:25pm and takes 8hrs

to reach destination.

c. NagavalliExpress departs at 5:10pm and takes 6.5 hrs to

reach destination.

All the train's starting point is Secunderabad.

Create a method to display each train details in the above manner.

Create a separate class for main method.

Members and methods:

trainName: String

departureTime: double

destination: String

boardingStation: String

trainDetails(): String