

5.CREATING A CLASS VEHICLE

PROGRAM:

```
import java.util.Scanner;
class vehical
{
    public String fule_type,make,model;
    public int year,speed,fule_capacity;
    public double mileage,distance,fule_consumed;
}
class truck extends vehical
{
    public int number_of_wheels,capacity;
    public truck()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter the model of truck");
        model=sc.nextLine();
        System.out.println("enter the fule type of truck");
        fule_type=sc.nextLine();
        System.out.println("enter the make of truck :");
        make=sc.nextLine();
        System.out.println("enter the speed of truck");
        speed=sc.nextInt();
        System.out.println("enter diastance traveled by truck :");
        distance=sc.nextInt();
        System.out.println("fule capacity of truck");
        fule_capacity=sc.nextInt();
        mileage = (double) distance / fule_consumed;
    }
}
public class test
{
    public static void main(String args[])
    {
        truck t=new truck();
        System.out.println("truck model :"+t.model);
        System.out.println("truck make :"+t.make);System.out.println("fule
        type :"+t.fule_type);
        System.out.println("speed of truck :"+t.speed);
        System.out.println("fule capacity of truck is :"+t.fule_capacity);
        System.out.println("distance travelled by truck :"+t.distance);
        System.out.println("millage of truck is :"+t.mileage);
    }
}
```

Output:

```
enter the model of truck
22
enter the fule type of truck
diesel
enter the make of truck :
steel
enter the speed of truck
250
enter diastance traveled by truck :
50
fule capacity of truck
30
truck model :22
truck make :steel
fule type :diesel
speed of truck :250
fule capacity of truck is :30
distance travelled by truck :50.0
millage of truck is :Infinity
```