//Author:- Mohit Gaikwad
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//1) Build a class Student which contains details about the Student and compile and run its instance.

```
/*

package com.assignment4;
import java.util.*;
public class Student {
	String Name;
	int RollNum;
	int Age;


 public static void main(String[] args) {

  Student obj=new Student();
  obj.scanDetails();
  obj.printDetails();

 }
  public void printDetails(){
   System.out.println(" Name : "+this.Name);
      System.out.println(" Roll Number : "+this.RollNum);
      System.out.println(" Age:"+this.Age);


    }

    public void scanDetails(){
     Scanner sc = new Scanner(System.in);
   System.out.print("Enter the Name of Student : ");

      this.Name=sc.next();
      System.out.print("Enter the Roll Number : ");

      this.RollNum=sc.nextInt();

      System.out.print("Enter the Age of student :");

      this.Age=sc.nextInt();
      sc.close();

    }

}

*/
```

// 2)Write a Vehicle class with overloaded methods that have a different number of parameters.

Demonstrate calling these overloaded methods with various numbers of arguments.

```
/*
package com.assignment4;

import java.util.*;

public class Vehicle {
 String Name;
 int Wheels;
 int Doors;
 int SeatCapacity;
 static Scanner sc = new Scanner(System.in);


    void Vtypes(String n ,int w,int d) {
  System.out.print("Enter the Vehicle Name:");
  this.Name = sc.next();

  System.out.print("Enter the number of Wheels:");
  this.Wheels = sc.nextInt();

  System.out.print("Enter the number of Doors");
  this.Doors = sc.nextInt();


 }


    void Vtypes(String n,int w,int d,int seat) {
  System.out.print("Enter the Vehicle Name:");
  this.Name = sc.next();

  System.out.print("Enter the number of Wheels:");
  this.Wheels = sc.nextInt();

  System.out.print("Enter the number of Doors:");
  this.Doors = sc.nextInt();

  System.out.print("Enter the Seat Capacity:");
  this.SeatCapacity = sc.nextInt();


 }

     void Vtypes(String n,int wheel) {
  System.out.print("Enter the Vehicle Name:");
  this.Name = sc.next();

  System.out.print("Enter the number of Wheels:");
  this.Wheels = sc.nextInt();


 }
```

```
 void printv1(){

  System.out.println("Name: "+this.Name);
  System.out.println("Wheels: "+this.Wheels);
  System.out.println("Doors: "+this.Doors);
  System.out.println("Seat Capacity: "+this.SeatCapacity);
  }



  void printv2(){

  System.out.println("Name: "+this.Name);
  System.out.println("Wheels: "+this.Wheels);
  System.out.println("Doors: "+this.Doors);
  System.out.println("Seat Capacity: "+this.SeatCapacity);
  }


  void printv3(){

  System.out.println("Name: "+this.Name);
  System.out.println("Wheels: "+this.Wheels);

  }



 public static void main(String[] args) {
  // TODO Auto-generated method stub
  Vehicle obj = new Vehicle();
          obj.Vtypes("car",4,4);
          obj.printv1();
          obj.Vtypes("bus",6,3,50);
          obj.printv2();
          obj.Vtypes("cycle",1);
          obj.printv3();

 }

}

*/

---------------------------------------------------------------------------------

// 3)Create a class Employee with multiple overloaded methods that have different parameter types (e.g., int, double, String). Demonstrate calling each overloaded method with appropriate arguments

/*
package com.assignment4;

import java.util.*;
public class Employee {
```

```
    String Name;
    int EmpNo;
    double salary;
  Scanner sc =new Scanner(System.in);
  void scanemp(String n,int n1,double s){
    System.out.print("Enter Name of Employee:");
     this.Name=sc.next();
    System.out.print("Enter Employee number:");
      this.EmpNo=sc.nextInt();
    System.out.print("Enter Salary:");
      this.salary=sc.nextDouble();
}
      void scanemp(double s,String n,int n2){
    System.out.print("Enter Name of Employee:");
     this.Name=sc.next();
    System.out.print("Enter Employee number:");
      this.EmpNo=sc.nextInt();
    System.out.print("Enter Salary:");
      this.salary=sc.nextDouble();
}

void scanemp(int n,double s,String N){
    System.out.print("Enter Name of Employee:");
     this.Name=sc.next();
    System.out.print("Enter Employee number:");
      this.EmpNo=sc.nextInt();
    System.out.print("Enter Salary:");
      this.salary=sc.nextDouble();
}

    void PrtEmp(){
System.out.println("Name:"+this.Name);
System.out.println("Employee Number:"+this.EmpNo);
System.out.println("Salary:"+this.salary);

       }




public static void main(String[] args) {
 // TODO Auto-generated method stub
      Employee obj = new Employee();

      obj.scanemp("mohit",45,90000.00);
      obj.PrtEmp();
      obj.scanemp(50000.00,"mohit",45);
      obj.PrtEmp();
      obj.scanemp(45,50000.00,"mohit");
      obj.PrtEmp();



}
```

```
}
*/

--------------------------------------------------------------------------------
```