1) Build a class Student which contains details about the Student and compile and run its instance.

```java
package com.cdac.assignment;

public class Student {
 private int rollno=2;
 private String name="Jitendra" ;
 private int age=25;
 private int marks=80;
 private char bloodg='A';

 public void printDetails() {
  System.out.println("Roll number: "+rollno+"|"+"Name: "+name+"|"+"Age: "+age+"|"+"BG: "+bloodg+"|"+"Marks: "+marks);
 }

 public static void main(String[] args) {
  Student s=new Student();
   s.printDetails();

 }
}
```

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.

```java
package com.cdac.assignment;

public class Vehicle {
 String make;
 String model;
 int year;
 long price;

 public Vehicle(String make, String model, int y, int p) {
  this.make=make;
  this.model=model;
  this.year=y;
  this.price=p;
 }

 public void printDetails() {
  System.out.println("Make "+"|"+"Model  "+"|"+"year "+"|"+"Price ");
  System.out.println(this.make+"|"+this.model+"|"+this.year+" |"+this.price);
 }

 public void printDetails(String model,long p) {
  this.model=model;
  this.price=p;
  System.out.println(this.make+"|"+this.model+"|"+this.year+" |"+this.price);
 }

 public static void main(String[] args) {
  Vehicle v=new Vehicle("Mahindra","Mahindra XUV300",2024,900000);
```

```
   v.printDetails();
   v.printDetails("Mahindra XUV400",1500000);
  //v.printDetails();
  //v.printDetails();
 }
}
```

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.cdac.assignment;

public class Employee {
 int empid;
 String name;
 double salary;

 public void printDetails(int eid,String n,double sal) {
  System.out.println("Id: "+eid+" | "+"Name: "+n+" | "+"Salary: "+sal);
 }
 public void printDetails(int eid,String name) {
  System.out.println("Id: "+eid+" | "+"Name: "+name);

 }
 public void printDetails(String name) {
  System.out.println("Name: "+name);
 }

 public static void main(String[] args) {
  Employee e=new Employee();
  e.printDetails("Abhishek");
  e.printDetails(2, "Jitendra");
  e.printDetails(03,"Amit", 25000);
 }
}
```