Create a class name ‘overload’. Write a program to assign the values for two values by different number of arguments using a single function

CODE:

import java.util.Scanner;

public class Overload {

public void assignValues(int a) {

System.out.println("Assigned value for 'a': " + a);

}

public void assignValues(int a, int b) {

System.out.println("Assigned values for 'a' and 'b': " + a + ", " + b);

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Overload obj = new Overload();

System.out.print("Enter a value for 'a': ");

int a = scanner.nextInt();

System.out.println("Assigning value for 'a' using single argument...");

obj.assignValues(a);

System.out.print("Enter a value for 'b': ");

int b = scanner.nextInt();

System.out.println("Assigning values for 'a' and 'b' using two arguments...");

obj.assignValues(a, b);

scanner.close();

}

}

OUTPUT:

C:\javap>javac Overload.java

C:\javap>java Overload

Enter a value for 'a': 8

Assigning value for 'a' using single argument...

Assigned value for 'a': 8

Enter a value for 'b': 9

Assigning values for 'a' and 'b' using two arguments...

Assigned values for 'a' and 'b': 8, 9

