LAB 2

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| S No. | Title | Date Of Implementation | Remarks |
| 1 | Program to illustrate classes and objects | 17-01-2021 |  |

Program to illustrate classes and objects

OBJECTIVE:

The following program inputs 2 numbers from the user and outputs their sum and average.

I created a Compute class to store the 2 numbers and it has 2 member functions, sum and avg.

CODE:

import java.util.Scanner;

public class Lab2{

    public class Compute{

        int n1, n2;

        public Compute(int n1, int n2){    // Constructor

            this.n1 = n1;

            this.n2 = n2;

        }

        int sum(){

            return n1+n2;

        }

        float avg(){

            return ((float)n1+(float)n2)/2;

        }

    }

    public static void main(String[] args){

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter first number: ");

        int n1 = sc.nextInt();

        System.out.print("Enter second number: ");

        int n2 = sc.nextInt();

        Lab2 l = new Lab2();

        Compute c = l.new Compute(n1, n2);

        System.out.println("Sum = "+c.sum());

        System.out.println("Average = "+c.avg());

        sc.close();

    }

}

OUTPUT:

