Lab – 3

1. Write menu driven main () method in Demo class to perform

a) Linear Search

 b) Binary Search

 c) Bubble Sort

 d) insertion Sort (Hint: Use static methods in same class.)

The program must read data from console.

2. Develop a java program to that reads the number of rows, columns and reads the set of elements in a 2D array from console. The menu driven program must perform the following operations:

a) Sum of all elements

b) Print the data in matrix form

c) Print the elements of principal diagonal

d) Print the sum of elements in Principal diagonal.

3. A) Write a Cuboid class with 3 static variables length, breadth and height of type double, and a static method volume (), access them using main () method within the same class.

B) Write a Cuboid class with 3 static variables length, breadth and height of type double, and a static method volume (), access them using main () method within another class Demo.