

Lab Report-1

Course Code-CSE 207

Section-03

Program Name: A program to search an element using

Linear Search.

Submitted by-

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Search Class:

```
package Linear Search;
public class Search {
//member variable
int[] data;
//constructor
public Search(int[] data) {
      this.data=data;
 public void linearSearch(int item) {
 boolean found=false;
 int location=-1;
 for (int i=0;i<data.length;i++) {</pre>
      if(item== data[i]) {
            found=true;
            location=i;
            break;
      }
 if (found==true) {
      System.out.println(location);
 else {
      System.out.println("Not found");
 }
Main Class:
```

```
package Linear Search;
```

```
import java.util.Scanner;

public class Main {

public static void main(String[] args) {

   Scanner input = new Scanner(System.in);
   int[] data = new int[10];
   System.out.println("Enter the values");

   for(int i =0;i<data.length;i++) {

      data[i] =input.nextInt();
   }

   Search ob = new Search(data);

   ob.linearSearch(55);
}</pre>
```

Output:

```
@ Javadoc Declaration Console X

<terminated Main (2) [Java Application] C:\Program Files\Java\jdk

Enter the values

1 34 65 8 9 45 69 23 55 12 39 21

8
```