Vidyavardhini's College of Engineering and Technology
Department of Artificial Intelligence & Data Science

AY: 2024-25

Class:	SE	Semester:	III
Course Code:		Course Name:	object oriented Programming JAVA.

Name of Student:	Atharva. V. Bose
Roll No. :	07.
Assignment No.:	03.
Title of Assignment:	
Date of Submission:	
Date of Correction:	

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	
Demonstrated Knowledge	3	
Legibility	2	
Total	10	

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty :

Signature :

Date :

Assignment 3

Q1) Implement a sequential search algrithm to find a specific element in an array. If the element is found, display its index; otherwise, indicate that the element is not present in the array.

```
Import java.util.scanner;
public class sequential search {
  public static int sequentialSearch (int []
              arr, int target) {
  for (int i=0; i< arr.length; i++) {
    if (arr[i] == target) {
     return i;
   }
  }

   return -1;
  }
    int [] array = {5,3,7,1,9,2};
    int elementTofind = 7;
    int result index := sequentialSearch
          (array, elementTofind);
    if (resultIndex) = -1) {
    System.out.println ("Element" + element To
     find + "found at index" + resultindent+".");
     } else {
     System.out.println ("Element" +
       elementTofind + "is not present in the
     array.");
     }
    }
}
```

Q2) Develop a java program that determines the number of days in a given semester. Input to the program year, month, and day information the first and the last day of a semester. The program should accept the date information separately. The input string must be mm/DD/4444 format (Assuming the semester starts and ends in the same year).

```
import java.time.local date;
import java.time.temporal. Chrono Unit;
import java util. Scanner.
public class Semester Days calculator {
public static Vaid main (String [] args){
Scanner Scanner. new scanner (System in);

Date time formatH formatter =Date time formatter of
                        patter. (mm)DD/4444);
System out print ("enter the start date of the
                    Semester (mm /DD/4444);
String start Date/input= Scanner nextline();
Local Date Start batH = Local Date post. (start
                        Date input, formatter);
System. out. print ("Enter the end date of
        the semester (mm)DD)4444);
String end date input = Scanner next line;
```

```java
LocalDate parse (end Date input, formetter);
long days Between = (chroniclinit Days. between
                        (Date, end date) + 1;
System.out.println ("Number of days in the
                        semester:" +days Between);
Scanner. close ();
        }
    }
```