**SVKM’s NMIMS**

**Mukesh Patel School of Technology Management and Engineering, Mumbai**

**Department of Electronics & Telecommunication**



**Programming for Problem Solving (Exp 6 - 1)**

|  |  |
| --- | --- |
| **Roll No: J001** | **Name: Adith Ramakrishna** |
| **Program: B. Tech Data Science (1st)** | **Batch: J1** |
| **Date of Experiment: 10/10/2022** | **Date of Submission: 10/10/2022** |

**Task 1:**

**a.**

int marks[10];

**b.**

float avg\_rating[50];

**c.**

char marks[10];

**Task 2:**

**a.**

85

**b.**

P

**Task 3:**

**a.**

40

**b.**

Garbage Values (Sometimes 0)

**Task 4:**

n should be defined before creating the array

**Task 5:**

221

**Task 6:**

#include <iostream>

using namespace std;

int main() {

int size\_array;

cout << "Enter the number of elements: ";

cin >> size\_array;

int elements[size\_array];

cout << endl;

for(int i; i < size\_array; i++) {

cout << "\nEnter the value (" << i+1 << "): ";

cin >> elements[i];

}

int el\_search, no\_count, index;

cout << "\n\nEnter the element to be searched: ";

cin >> el\_search;

bool found;

for(int i; i < size\_array; i++) {

if(el\_search == elements[i]) {

found = true;

index = i;

no\_count++;

}

}

if(found) {

cout << "\n\nElement found! (At Index:" << index << ")\nNumber of times: " << no\_count << "\n";

}

else {

cout << "\n\nElement not found!\n";

}

return 0;

}

**Homework Questions:**

|  |  |
| --- | --- |
| 1. What will be the output of the program?   #include<iostream>  int main()  { int arr[] = {1, 2, 3, 4, 5}, a, b=0;  for(a=0;a<5;++a)  b+=arr[a];  cout<< b;  } | **15** |
| 1. What will be the output of the program?   #include<iostream>  void main()  {  int arr[5] = {4, 1, 2, 20, 5};  int a, b=0;  for(a=0;a<5;a++)  if (arr[a]%2) b+=arr[a];  cout<< b;  } | **6** |
| 1. What will be the output of the program?   int main()  {  int arr[5], i=0;  while(i<5)  arr[i]=++i;  for(i=0; i<5; i++)  cout<<arr[i];  } | **01234** |