|  |  |
| --- | --- |
| **Total Marks:** | **7.5** |
| **Obtained Marks:** |  |

**DATA STRUCTURE**

**AND**

**ALGORITHM**

**Lab Report # 02**

**Submitted To: Mam Tehreen**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Submitted By**: **Hammad Qureshi**  .

**Reg. Numbers: 2112114**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Question no 1:**

**Write a program in C++ to find the maximum and minimum using Array.**

**Procedure**

* Open the **Dev c++** software on your laptop.
* Go to new file and click the project then go to console application and write you **C++ code**.
* Declare mainand call function.
* Declare variable of integer type to store n.
* Declare variable of integer type to store maxnumber.
* Declare variable of integer type to store minnumber.
* Using for loop for the counter.
* Display these statement on screen using cout statement.
* Press **F9** for compile and **F10** for run.
* Write your code in Word file.
* Take the Screen short of your output and paste it in Word file.

**Code:**

|  |
| --- |
| #include<iostream>  using namespace std;  int main()  {  int n[7]={1,2,3,4,5,6,7};  int maxvalue=n[0];  for(int i=0;i<7;i++)  {  if(n[i]>maxvalue)  maxvalue=n[i];  }  cout<<"Maximum value "<<maxvalue<<endl;  int minvalue=n[0];  for(int j=0;j<7;j++)  {  if(n[j]<minvalue)  minvalue=n[j];  }  cout<<"Minimun Value "<<minvalue<<endl;  return 0;  } |

**CONSOLE SCREEN:**

