Shaheed Zulfikar Ali Bhutto Institute of Science & Technology

COMPUTER SCIENCE DEPARTMENT

Total Marks: 7.5

Obtained Marks:

DATA STRUCTURE AND ALGORITHM

Lab Report # 02

Submitted To: **Mam Tehreen**

Submitted By: **Hammad Qureshi** .

Reg. Numbers: **2112114**

COMPUTER SCIENCE DEPARTMENT

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 main and 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.
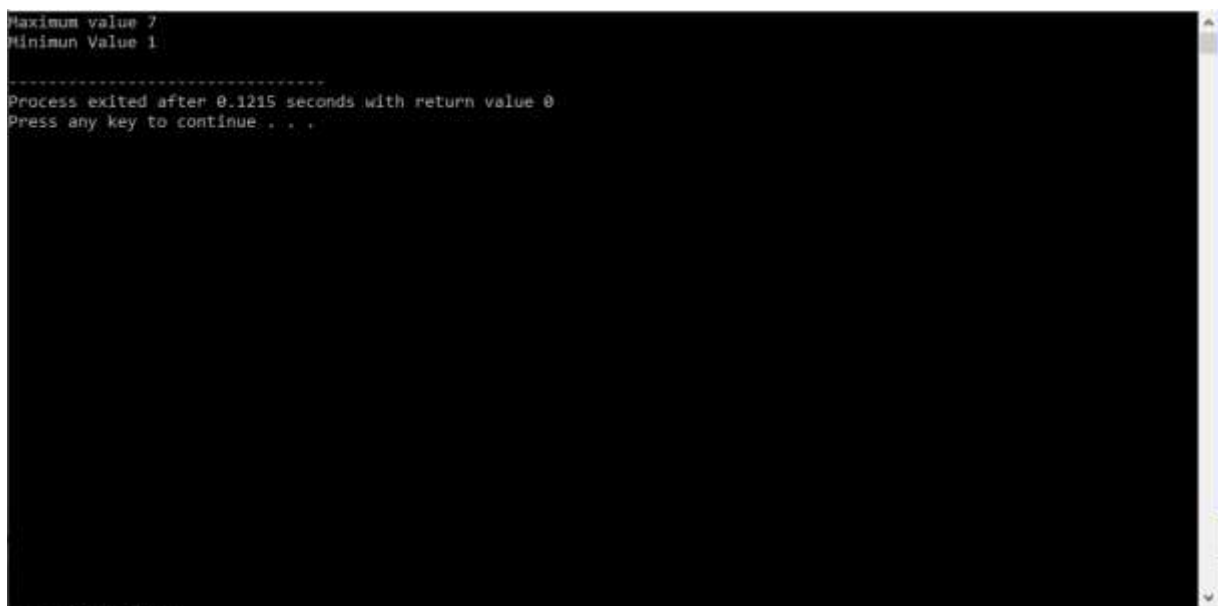➢ Take the Screen short of your output and paste it in Word file.

Code:

```cpp
#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: