C++ - LAB-1

Name: Vivaan Shiromani

Reg.No: 201900189

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Lab Guided By: Prof. Ashis Datta Sir.

Q-1: To Display Hello World

Ans: Source Code:

```
#include <iostream>
using namespace std;
int main()
{
    cout << "Hello world!" << endl;
    return 0;
}
```

Input/Output:

```
Hello world!
```

Q-2: To use comments {Ignored by the compiler}

Ans: Source Code:

```cpp
#include <iostream>
using namespace std;
// this is single line comment
/*
This is a multi line comment-1
This is a multi line comment-2
*/
int main()
{
    cout << "Hello world!" << endl;
    return 0;
}
```

Input/Output:

Hello world!

Q-3: To use "namespace std"

Ans: Source Code:

```cpp
#include <iostream>
using namespace std; //use of namespace here
int main()
{
    cout << "Hello world!" << endl;
    return 0;
}
```

Input/Output:

```
Hello world!
```

Q-4: To add two numbers

Ans: Source Code

```cpp
#include <iostream>
using namespace std; //use of namespace here
int main()
{
    int a=2;
    int b=3, sum;
    sum=a+b;
    cout << "sum: "<<sum<<
    return 0;}
```

Input/Output:

sum: 5

Q-5: Write a C++ program to find the min and max of three numbers

Ans: Source Code:

```cpp
#include <iostream>
using namespace std;
int main()
{
    int a=2;
    int b=3;
    int c=4;

    // for greatest
    if(a>b)
    {
        if(a>c)
        cout << "a is the greatest\n";
        else
        cout << "c is the greatest\n";
    }

    else
    {
        if(b>c)
        cout << "b is the greatest\n";
        else
        cout << "c is the greatest\n";
    }

    // for smallest

    if(a<b)
    {
        if(a<c)
        cout << "a is the smallest\n";
        else
```

```
            cout << "c is the smallest\n";
    }
    else
    {
        if(b<c)
        cout << "b is the smallest\n";
        else
        cout << "c is the smallest\n";
    }
}
```

Input/Output:

```
c is the greatest
a is the smallest
```