OOP with C++

Lab work - 01

Lab Date - 18th Jan 2021

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Semester - 4th

1) Write a Hello World Program

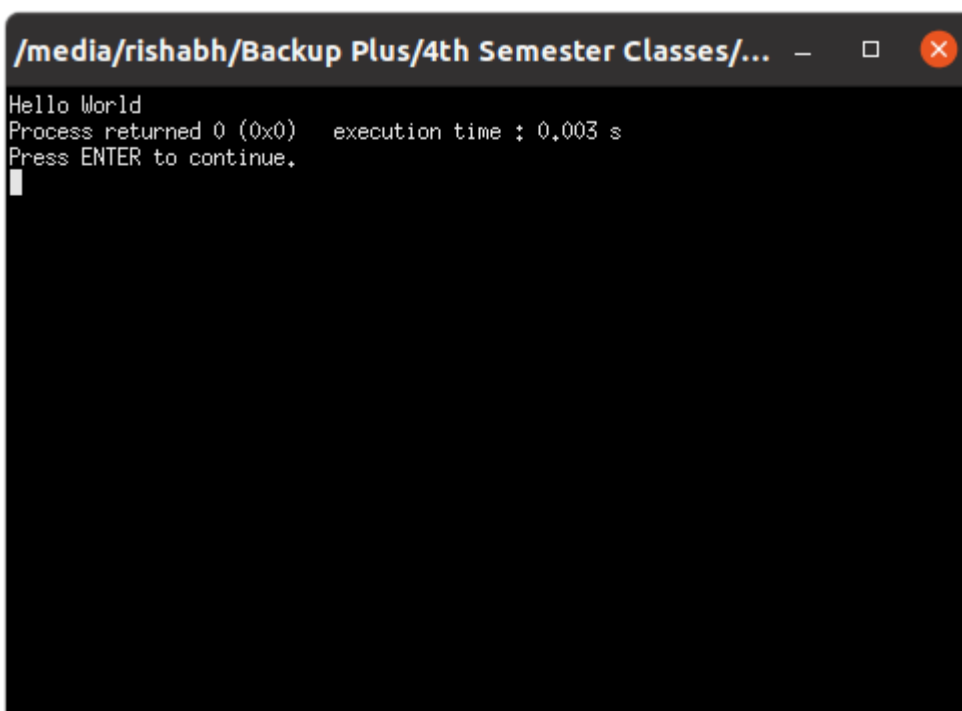*Source Code*

```
#include <iostream>

int main(){

std::cout << "Hello World";
return 0;
}
```

Output

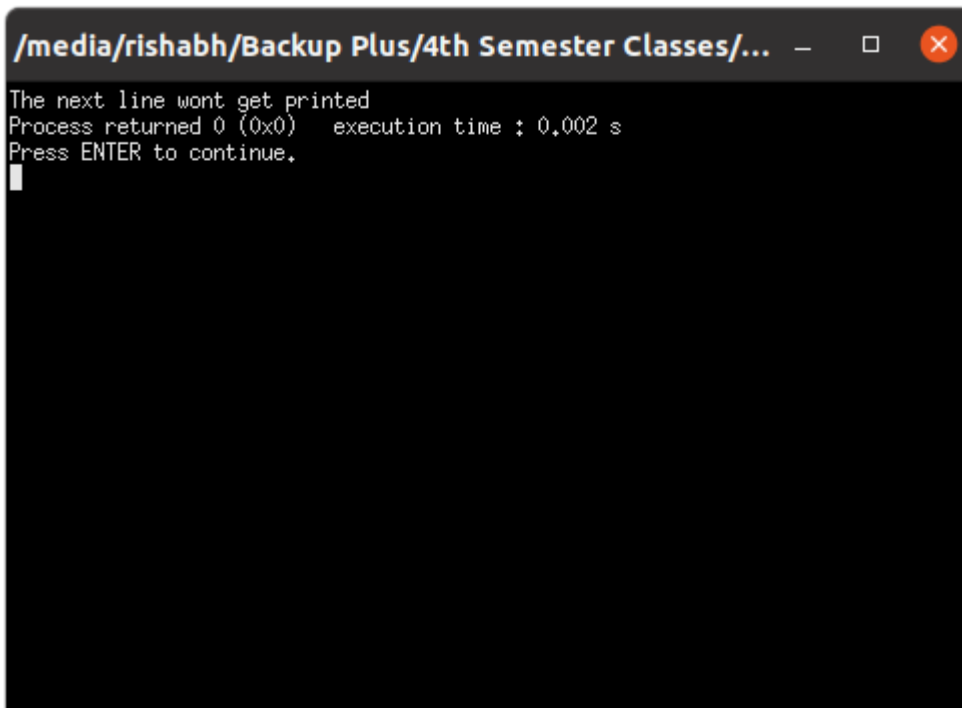## 2) Use of comment

Source Code

```cpp
#include <iostream>


int main(){

std::cout << "The next line wont get printed";
//std::cout << "This line wont get printed";
return 0;

}
```

Output

```
/media/rishabh/Backup Plus/4th Semester Classes/...   —   □   ⊗
The next line wont get printed
Process returned 0 (0x0)   execution time : 0.002 s
Press ENTER to continue.
```

3) To use namspace std

Source Code

```cpp
#include <iostream>

using namespace std;

namespace One
{

    int x = 5;
```
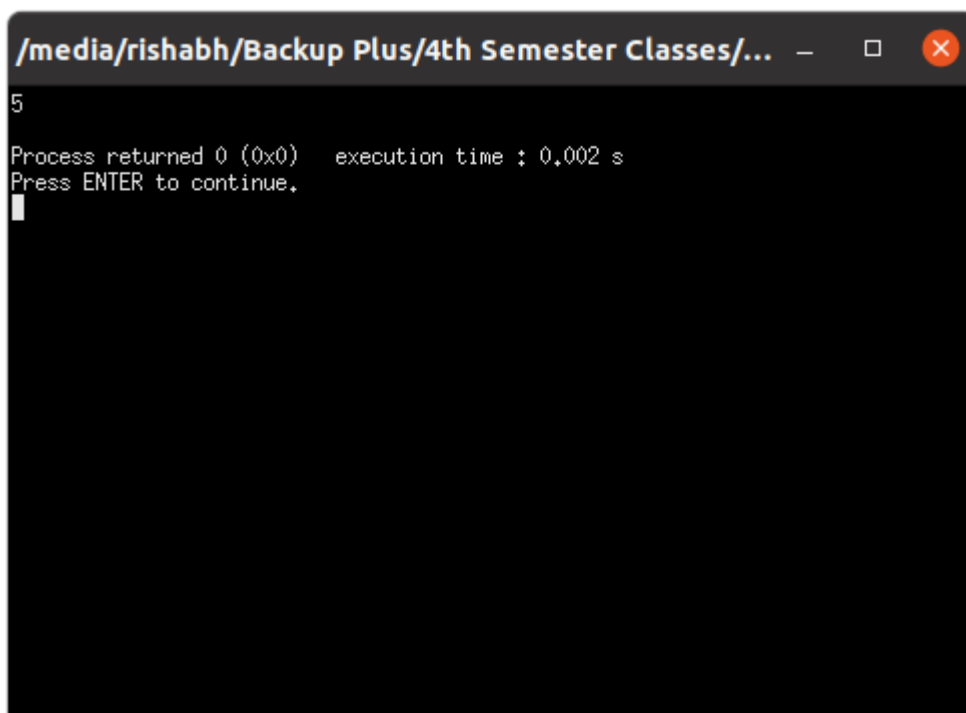
```cpp
    void printX(){
        cout<<x<<endl;
    }

}


int main(){

    One::printX();

}
```

Output

---

4) To find sum of two numbers

Source Code

```cpp
#include <iostream>
using namespace std;

namespace sum{

    int x = 5;
    int y = 10;

    int sum = x + y;

    void printSum(){
```
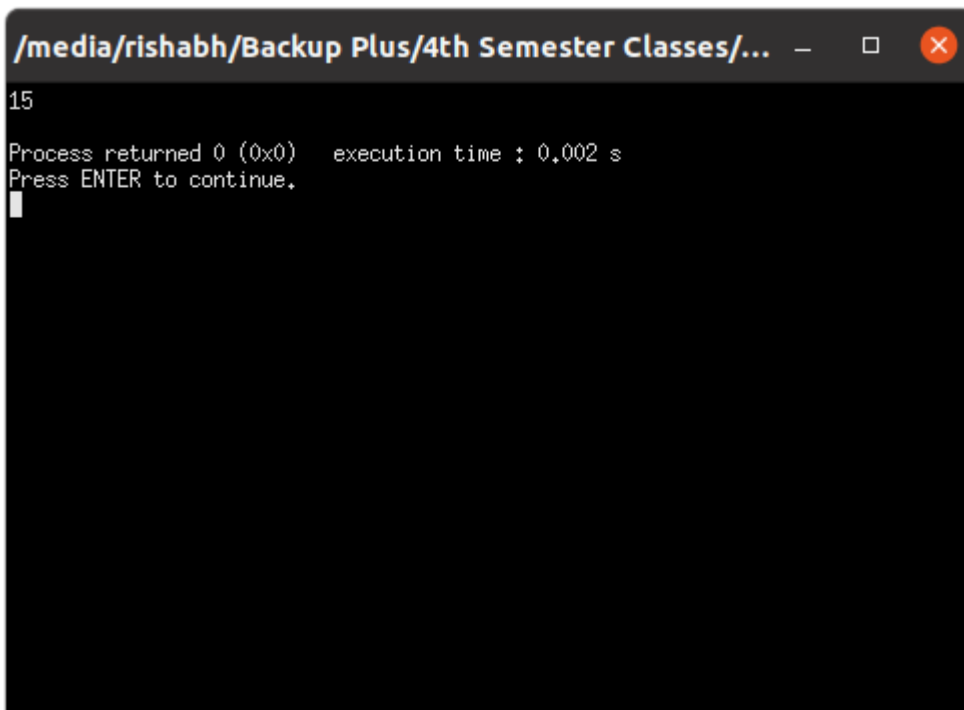
```
            cout<<sum<<endl;

        }
    }


    int main(){

        sum::printSum();

    }
```

Output

---

5) Find Minimum and Maxmum of three Nos.

Source Code

```cpp
#include <iostream>

using namespace std;

namespace maxMinFinder{

    int a = 10;
    int b = 45;
    int c = 9;
    int min,max;
```

```cpp
    void findMin(){

        if(a < b && a < c){
            min = a;
        }

        if(b < a && b < c){
            min = b;
        }
        if(c < a && c < b){
            min = c;
        }

        cout<<min<<endl;

    }
    void findMax(){

        if(a > b && a > c){
            max = a;
        }

        if(b > a && b > c){
            max = b;
        }
        if(c > a && c > b){
            max = c;
        }
        cout<<max<<endl;

    }
}

int main(){

    maxMinFinder::findMin();
    maxMinFinder::findMax();
}
```
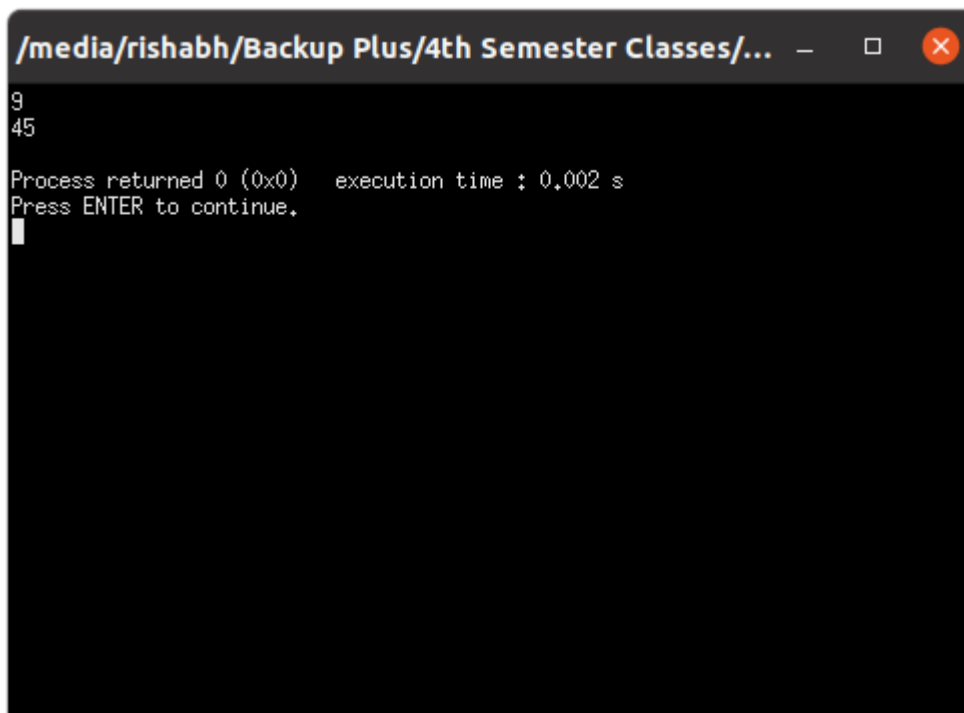
Output

manual.md