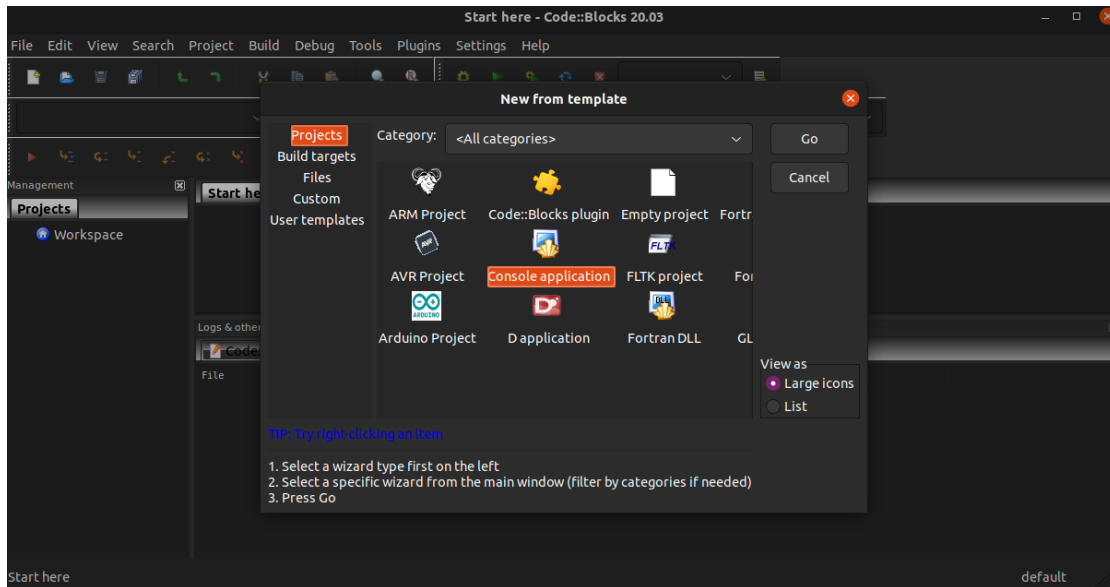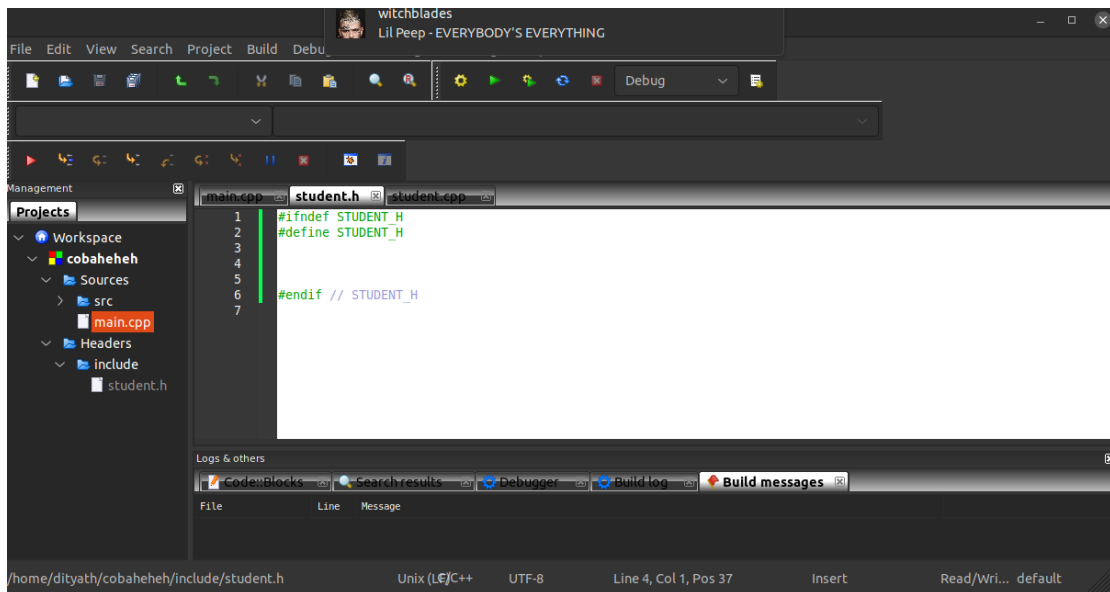Ditya Athallah
1301194095
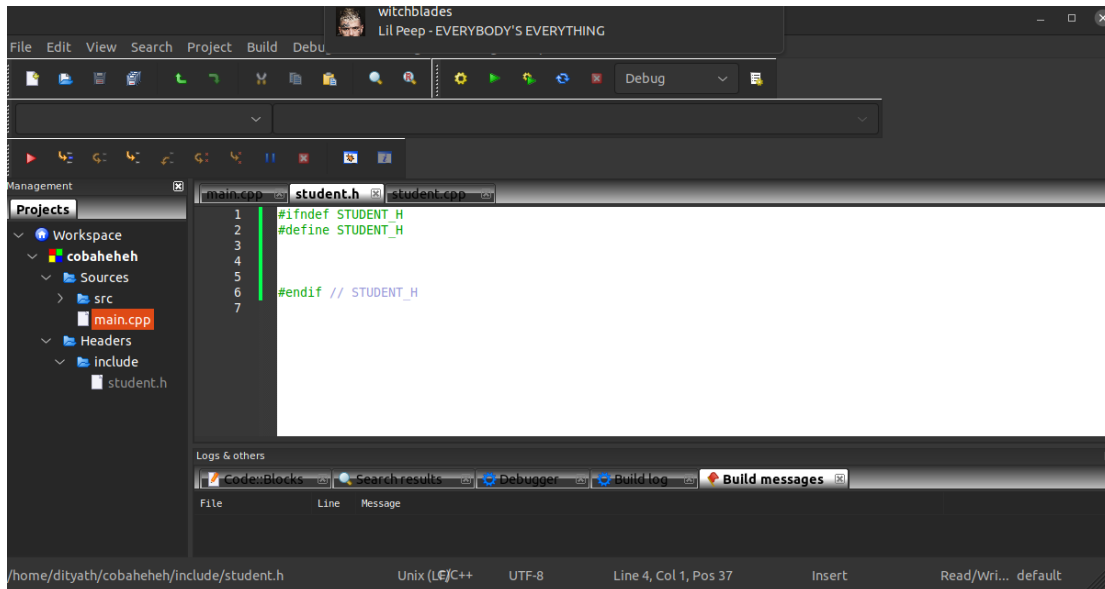
1. Create Console App in code::block

2. Create student.h
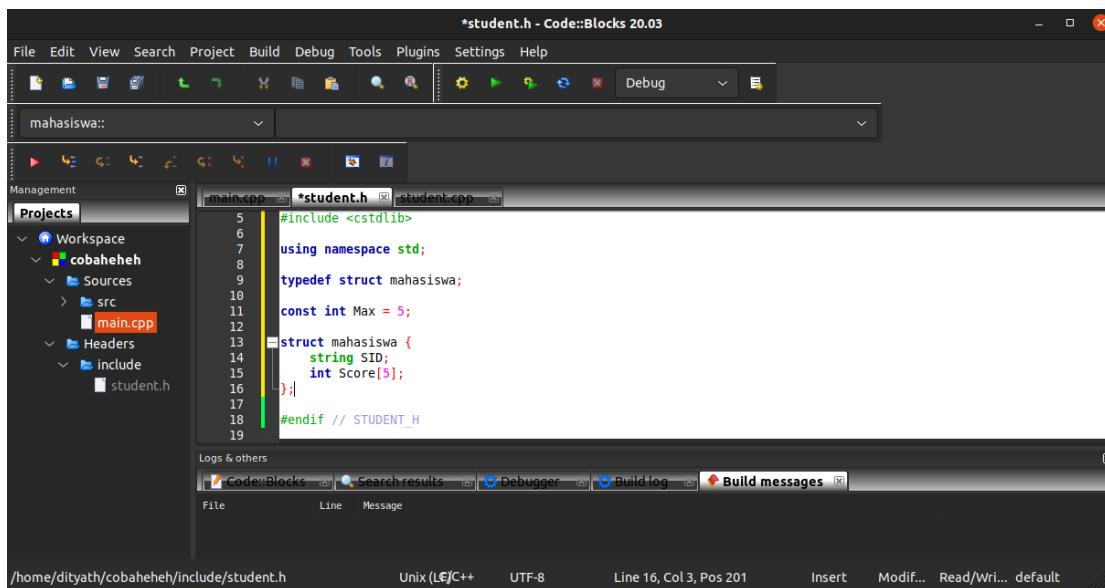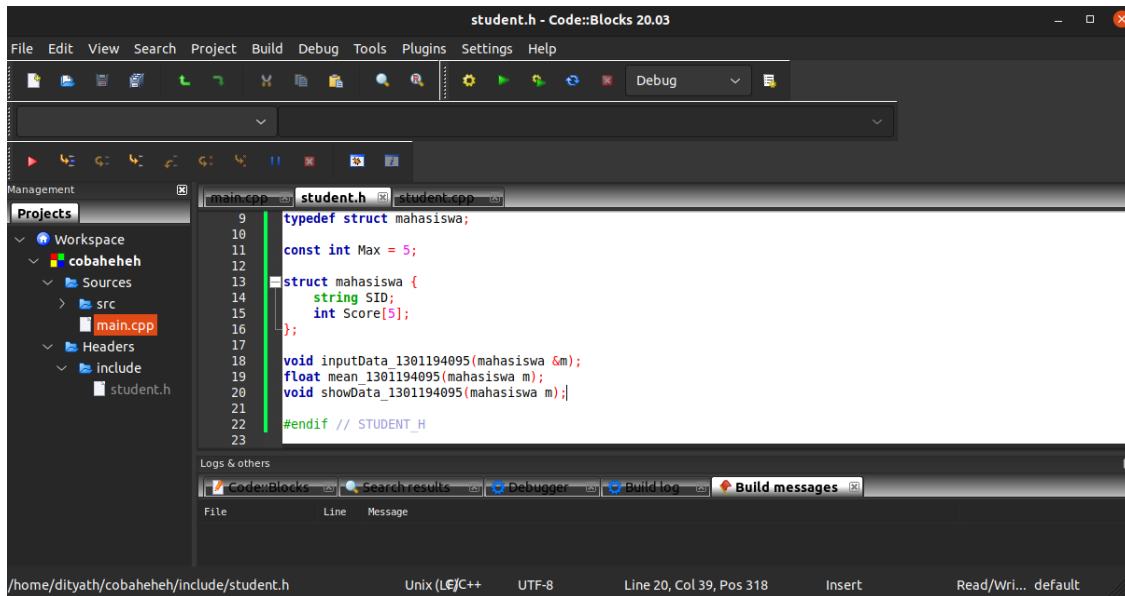

3. Create student.cpp

*sorry for the spotify pop-up, i just finished my assignment when i realized the pop-up :(.
So I can't redo it ofc.

4. Create adt in student.h

5. Define function and procedure in student.h

6. Student.cpp... I will copy the source code down below. Cuz, it seems like the screenshot looks weird.

Source code:

```cpp
#include "student.h"

void inputData_1301194095(mahasiswa &m) {
        int i;

        cout << "SID : ";
        cin>> m.SID;

        i = 0;
        while (i < Max) {
        cout << "Score " << i+1 << " : ";
        cin >> (m.Score[i]);
        i++;
        }
}

float mean_1301194095(mahasiswa h) {

        float sum = 0;
        for (int i = 0; i < Max; ++i) {
        sum += h.Score[i];
        }

        return sum / 5;
}
```

```cpp
void showData_1301194095(mahasiswa h) {

        cout << "Data of Student: " << endl;
        cout << "SID : " << h.SID << endl;
        cout << "Score :";
        for (int i = 0; i < Max; ++i) {
        cout << " " << h.Score[i] << " ";
        }
        cout << endl;

}
```
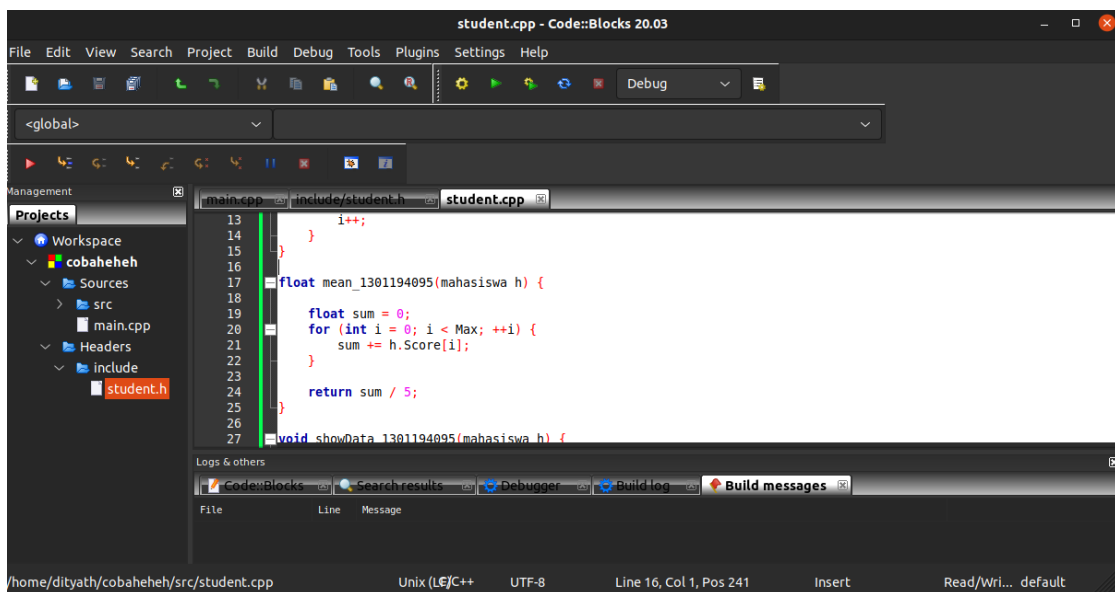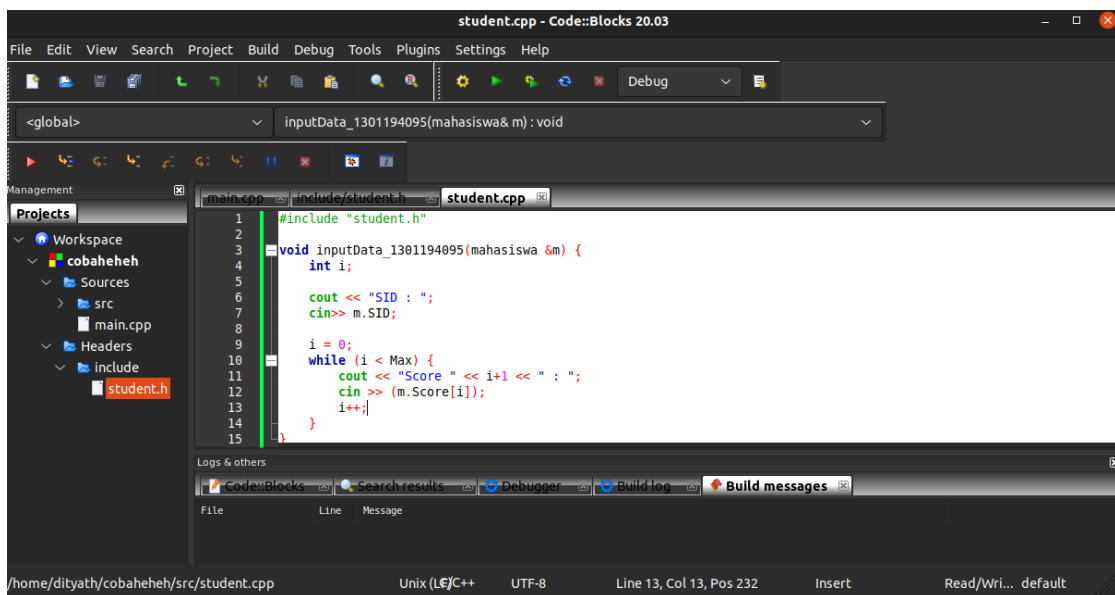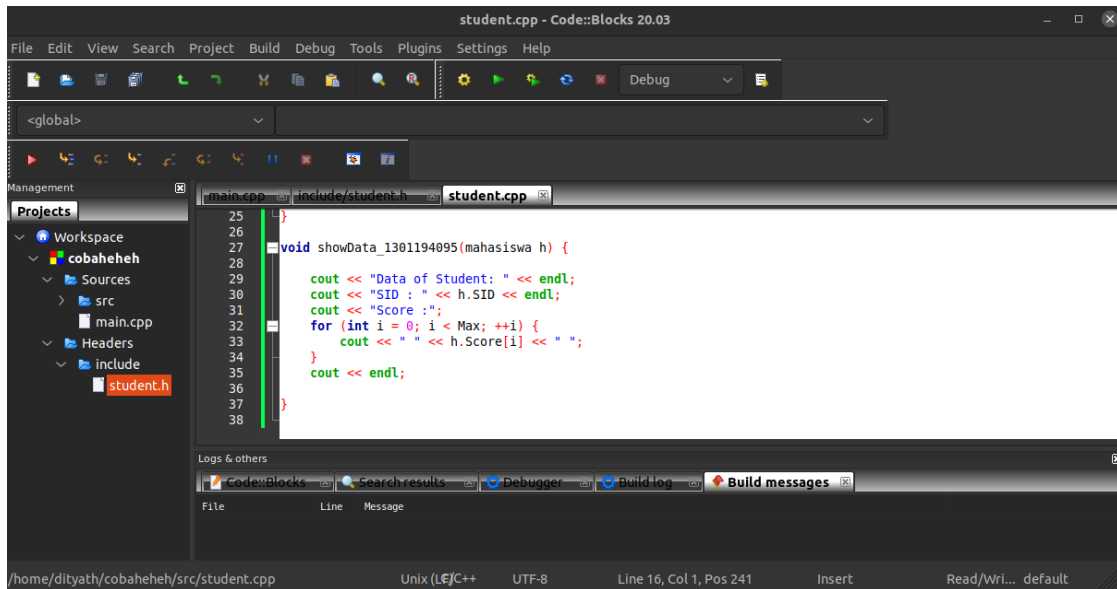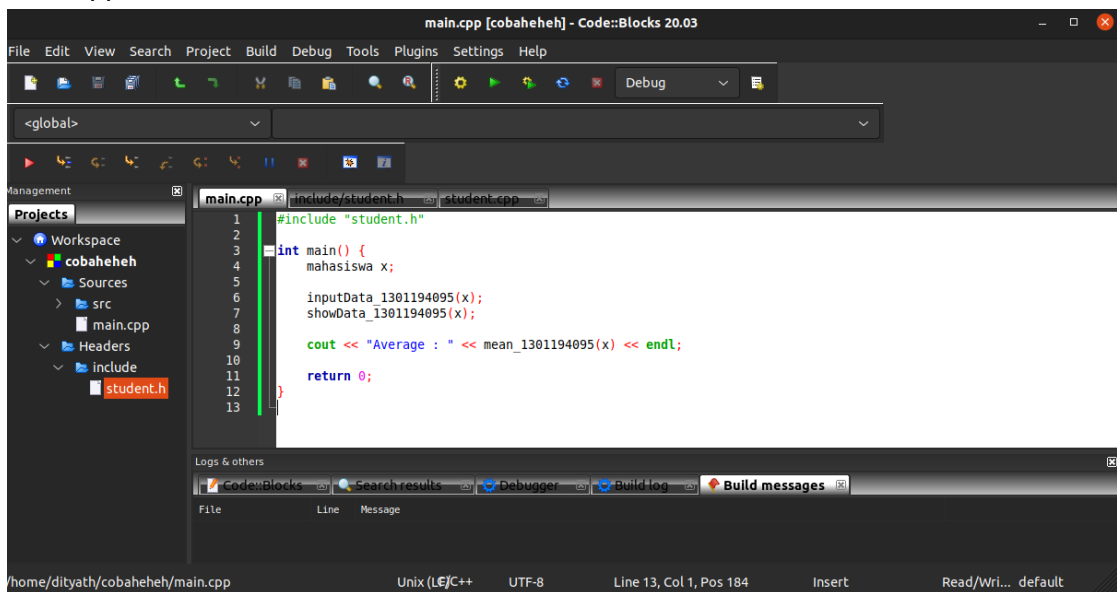
Screenshot:

7. main.cpp

8. Screenshot of result. I will try 5 different values here since you guys can't try it by yourself.

```
SID : 1301194095
Score 1 : 90
Score 2 : 70
Score 3 : 60
Score 4 : 50
Score 5 : 40
Data of Student:
SID : 1301194095
Score : 90  70  60  50  40
Average : 62

Process returned 0 (0x0)   execution time : 20.160 s
Press ENTER to continue.
```



```
SID : 1301194095
Score 1 : 60
Score 2 : 89
Score 3 : 78
Score 4 : 99
Score 5 : 12
Data of Student:
SID : 1301194095
Score : 60  89  78  99  12
Average : 67.6

Process returned 0 (0x0)   execution time : 14.984 s
Press ENTER to continue.
```



```
SID : 23232
Score 1 : 99
Score 2 : 80
Score 3 : 79
Score 4 : 89
Score 5 : 79
Data of Student:
SID : 23232
Score : 99  80  79  89  79
Average : 85.2

Process returned 0 (0x0)   execution time : 25.603 s
Press ENTER to continue.
```

```
cobaheheh                    _  □  ⊗

SID : 1301194095
Score 1 : 13
Score 2 : 15
Score 3 : 25
Score 4 : 64
Score 5 : 32
Data of Student:
SID : 1301194095
Score : 13  15  25  64  32
Average : 29.8

Process returned 0 (0x0)   execution time : 11.760 s
Press ENTER to continue.
```



```
cobaheheh                    _  □  ⊗

SID : 1301194095
Score 1 : 690
Score 2 : 903
Score 3 : 789
Score 4 : 986
Score 5 : 356
Data of Student:
SID : 1301194095
Score : 690  903  789  986  356
Average : 744.8

Process returned 0 (0x0)   execution time : 19.587 s
Press ENTER to continue.
```