

# EC 2010 : Computer Programming

## Lab 01: Program Structure

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2022/E/126

EC2010

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## Code :

```
// MALHARA R.M.Y.S
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// EC2010
//Group: C
// Lab: Lab 01: Program Structure
// Program Description: when user entered the number of sports balls items he has, the code will calculate the total weight of
user's basket.
// Certificate of Authenticity:
// I certify that the code in the method function main of this project
// is entirely my own work.
```

```
#include <iostream>
#include <string>
```

```
using namespace std;
```

```
int main()
```

```
{
    float WGBall, WFBall, WVBall, WRBall, WBasket;
    WGBall = 0.15;
    WFBall = 0.5;
    WVBall = 0.6;
    WRBall = 0.8;
```

```
    string name;
    int GBall, FBall, VBall, RBall;
```

```
    cout << "Please provide your name: " << endl;
    cin >> name;
```

```
    cout << "How many General balls do you have? " << endl;
    cin >> GBall;
```

```
    cout << "How many Foot Balls do you have? " << endl;
    cin >> FBall;
```

```
    cout << "How many Volley Balls do you have? " << endl;
    cin >> VBall;
```

```
    cout << "How many Rugby Balls do you have? " << endl;
    cin >> RBall;
```

```
    WBasket = WGBall * GBall + WFBall * FBall + WRBall * RBall + WVBall * VBall;
```

```
    cout << " Your basket's weight is " << WBasket << " Kg" << endl;
```

```
    return 0;
```

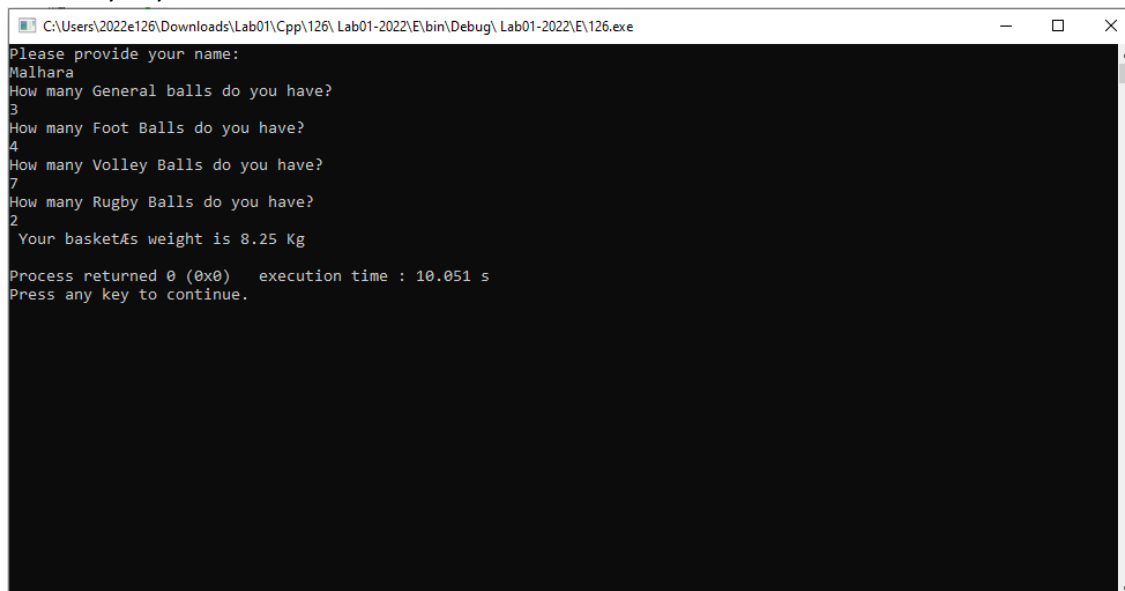
```
}
```

```
11
12
13 #include <iostream>
14 #include <string>
15
16 using namespace std;
17
18 int main()
19 {
20     float WGBall, WFBall, WVBall, WRBall, WBasket;
21     WGBall = 0.15;
22     WFBall = 0.5;
23     WVBall = 0.6;
24     WRBall = 0.8;
25
26     string name;
27     int GBall, FBall, VBall, RBall;
28
29     cout << "Please provide your name: " << endl;
30     cin >> name;
31
32     cout << "How many General balls do you have? " << endl;
33     cin >> GBall;
34
35     cout << "How many Foot Balls do you have? " << endl;
36     cin >> FBall;
37
38     cout << "How many Volley Balls do you have? " << endl;
39     cin >> VBall;
40
41     cout << "How many Rugby Balls do you have? " << endl;
42     cin >> RBall;
43
44     WBasket = WGBall * GBall + WFBall * FBall + WRBall * RBall + WVBall * VBall;
45
46     cout << "Your basket's weight is " << WBasket << " Kg" << endl;
47
48     return 0;
49
50
51
```

Output 01 :

Please provide your name:  
Malhara  
How many General balls do you have?  
3  
How many Foot Balls do you have?  
4  
How many Volley Balls do you have?  
7  
How many Rugby Balls do you have?  
2  
Your basket's weight is 8.25 Kg

Process returned 0 (0x0) execution time : 10.051 s  
Press any key to continue.



Output 02:

Please provide your name:

Malhara

How many General balls do you have?

32

How many Foot Balls do you have?

45

How many Volley Balls do you have?

3

How many Rugby Balls do you have?

1

Your basket's weight is 29.9 Kg

Process returned 0 (0x0) execution time : 9.920 s

Press any key to continue.

C:\Users\2022e126\Downloads\Lab01\C++\126\ Lab01-2022\E\bin\Debug\ Lab01-2022\E\126.exe

Please provide your name:

Malhara

How many General balls do you have?

32

How many Foot Balls do you have?

45

How many Volley Balls do you have?

3

How many Rugby Balls do you have?

1

Your basket's weight is 29.9 Kg

Process returned 0 (0x0) execution time : 9.920 s

Press any key to continue.