

Function

Implementation?

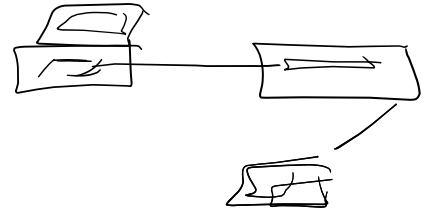


Direct
box

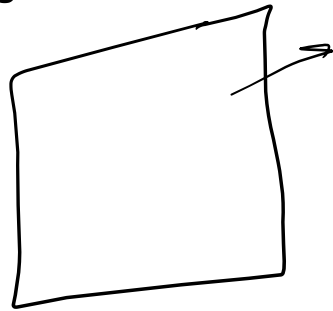
built in functions

- ① how to use it
- ② it's job

eg. printer



Class Box



Implementation

Function
Declaration

To create a class box

you need to steps

- ① Declare the function in the top of main.
- ② Define function body

function : block of code didn't
execute UNTIL you call it.

```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int sum(int x,int y);
6
7  int maximum(int x,int y);
8  void pyramid(int height);
9  void fun();
10 int get_data();
11 int main()
12 {
13     int birthdate=get_data();
14
15     cout<<"Age:"<<2022-birthdate<<endl;
16
17     int x=get_data();
18     int y=get_data();
19     cout<<maximum(x,y)<<endl;
20
21     for(int i=5;i<15;i++){
22         pyramid(i);
23     }
24
25
26     return 0;
27 }
28
```

```
main.cpp x
29
30 void pyramid(int height){
31
32     for(int i=0;i<height;i++){
33         for(int j=0;j<=i;j++){
34             cout<<"$";
35         }
36         cout<<endl;
37     }
38 }
39
40 int get_data(){
41     int data;
42     cout<<"Enter the data:"<<endl;
43     cin>>data;
44     return data;
45 }
46
47 void fun(){
48     cout<<"Have fun"<<endl;
49 }
50
51
52
53 int sum(int x,int y){
54     return x+y;
55 }
56
57
```

```

46
47 void fun() {
48     cout<<"Have fun"<<endl;
49 }
50
51
52
53 int sum(int x,int y){
54     return x+y;
55 }
56
57
58 int maximum(int x,int y){
59
60     if(x>y){
61         return x;
62     }
63     else if(x==y){
64         return 0;
65     }
66     else{
67         return y;
68     }
69
70 }
71

```

⇒ Funct: on Make the Code

less.

⇒ Cover.

Solution



How to convert from lower case to upper?

ASCII table

32

A → 65, B → 66
a → 97, b → 98

```
char capitalize(char c);  
  
int main()  
{  
    cout<<capitalize('a');  
    //cout<<score(89);  
    //check_legability(get_age());  
  
    return 0;  
}  
  
char capitalize(char c){  
    return char(c-32);  
}
```

```
"C:\Users\THE LAPTOP SHOP\Desktop\Intro To Software Engineering\Source C  
A  
Process returned 0 (0x0) execution time : 0.568 s  
Press any key to continue.
```

```
char score(int grade){  
    if(grade>=85){  
        return 'A';  
    }  
    else if(grade>=75){  
        return 'B';  
    }  
    else if(grade>=60){  
        return 'C';  
    }  
    else{  
        return 'D';  
    }  
}
```