

C++ Programming

Functions 2

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Function: Absolute

```
4 int our_abs(int n) {  
5     if (n >= 0)  
6         return n;  
7     return -n;  
8 }  
9  
10 int main() {  
11     cout << our_abs(5) << "\n";  
12     cout << our_abs(-5) << "\n";  
13  
14     return 0;  
15 }  
16  
17
```

Console



Problems



Tasks



Properties

<terminated> ztemp [C/C++ Application] /home/

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- Absolute is a function that return positive value for the parameter
 - If positive, no change
 - If negative, we return -value
 - If -5, then --5 = +5
- Similar
 - return
 - parameter

Function: Maximum of 2 numbers

```
3
4 int our_max(int a, int b) {
5     if (a >= b)
6         return a;
7     return b;
8 }
9
10 int main() {
11     cout << our_max(2, 5) << "\n";
12     cout << our_max(2, -5) << "\n";
13
14     return 0;
15 }
```

- Now we need to send the function 2 numbers not just 1
- We can send as much as we want

Console Problems Tasks Properties

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Function: Maximum of absolute 2 numbers

```
3
4 int our_abs(int n) {
5     if (n >= 0)
6         return n;
7     return -n;
8 }
9
10 int our_max2(int a, int b) {
11     a = our_abs(a);
12     b = our_abs(b);
13
14     if (a >= b)
15         return a;
16     return b;
17 }
18
19 int main() {
20     cout << our_max2(2, 5) << "\n";
21     cout << our_max2(2, -5) << "\n";
22
23     return 0;
24 }
```

- This time, the maximum should be applied on the absolute itself
- But we coded absolute!
- Let's use it
- A function can call another function
 - Here max call abs function
 - It **must** be above it

Console Problems Tasks Properties 1010 0101 Ca

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```
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```

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”