

Exercise 3c - Pointers



Beskrivning

Pointers are commonly used in both C and C++. Pointers are also a tricky part of C++ that needs some attention. As we said in the course material the following 2 things are important to learn

- The “&” is the “address of operator”
- The “*” is the “value pointed to by”

We take an example here:

```
char hello_world[]="Hello World";  
char *world=hello_world+6;
```

```
cout << hello_world << endl;  
cout << world << endl;
```

The above example shows how we first create an array of characters and name it *hello_world*. Then we create a pointer that points to the 6:nd character in the array and name it *world*.

When we then print out the *hello_world* and the *world* it will be:

```
Hello World  
World
```

So instead of creating 2 variables with the word “World” in we reused it from the *hello_world* variable

Exercise 3d

- Modify the above example and change the *hello_world* variable to have the text "Volvo has the best cars in the World"
- Modify *world* pointer so it points to the "World" in the new *hello_world* text
- Print out the *world* pointer value, (should print out the "World")

Information

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Den här uppgiften är obligatorisk