

Exercise 4e - Class methods



Beskrivning

Classes cannot only contain variables, they can contain functions as well. Functions inside a class are called *methods*. The methods need to be declared in the class. The implementation can be either in the class or outside the class.

If the implementation is placed outside the class we need to add the class name followed by `::` as prefix for the name.

```
#include <iostream>

using namespace std;

class Human {

public:

    string name="";

    void print_name() {

        cout << "Name:" << name << endl;

    };

};

int main()

{

    Human hu;

    hu.name="Olle Ek";

    hu.print_name();

}
```

By creating a class method for printing out the class variables, we are bunching the printout together with the class variables, which is a good thing since they are so tightly connected to each other. When adding a new class variable, we only need to modify the `print_name`-function instead of having to search through the whole program for any printouts of the class variables.

Exercise 4e

- Copy the code above and add a new function named `void_set_name(std::string new_name)`
- The new function shall set the class variable name
- Modify the code so the class variable name will have private access
- Change the `hu.name` to instead using the class method `set_name`

Information

Publicerades den den 13 januari 2022 av [Psajd, alexander](#)

Den här uppgiften är inte obligatorisk

