

## Exercise 4c - Preprocessor



### Beskrivning

Preprocessor are run by the compiler as the first step before it can start the compilation. The most used one is probably the “#include” preprocessor. The most powerful one is probably the “#define” preprocessor.

```
#define reverse_for(A,B,C) for(C,B,A)
```

The above example will create a new “reverse\_for” that works like the for loop but with the argument reversed.

“for(a=1; a <4; a++)” is then equal to “reverse\_for(a++,a<4;a=1)”

### Exercise 3c

- We shall now create a new type of loop, the forever loop
- We shall create a loop that has name *forever* and will act exactly like the *while(1)*
- Below is the program that you shall add the *forever* preprocessor to:

```
#include <iostream>

//Here you shall write the forever preprocessor define

int main() {
    forever
    {
        std::cout << "loop 4 ever" << std::endl;
    }
}
```

### Information

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Den här uppgiften är inte obligatorisk