1. Create a file helloworld.cpp:

```
#include "iostream"
using namespace;
int main(){
        cout<<"Hello World<<endl
        return 0;
}
```

2. Correct errors in the code provided and run it.
3. What is the default name of the executable files produced by g++? Now change the name of the executable for helloworld.cpp to lab2 and run it again. Compile it from C to Assembly.
4. Create a new file math_trick.cpp, that takes user input and writes it into a variable *number*

```
#include <iostream>
int main(){
        int number;
        //your code here
        int answer=0;
        answer= (number*2+8)/2-number;
        cout<<"The answer is "<<answer<<endl;
        cout<<"Most probably, your answer is 4;) Check with a neighbour! "<<endl;
        return 0;
}
```

6. Now compile and execute math_trick.cpp
7. Create a folder Lab2 and move math_trick.cpp there.