[1*] What does a compiler do? What does a linker do?

[1*] Change the *Hello, world!* program to output the two lines:

Hello, programming!
Here you go!

[1*] Is this a valid program? Why or why not?

```
#include <iostream>
int main()  { std::cout << "Hello, world!" << std::endl; }
```

[1*] Is this a valid program? Why or why not?

```
#include <iostream>
int main()  std::cout << "Hello, world!" << std::endl;
```

[2*] Write a program that, when run, writes the Hello, world!" program as its output.

[1*] Read two floating-point numbers and compute their average. re-write the program for 3, 4 and 5 numbers. Do you think, we can extend programs this way? What is your conclusion?