Your submission includes three files. Name your solutions as
YourFirstName_YourLastName_A1_Q1.py, YourFirstName_YourLastName_A1_Q2.py, and
YourFirstName_YourLastName_A1_Q3.py.

Q1/5   Write a module that prints "hello world!" when it is run as main module and prints "from library module" when is used as a library module.

Q2/5   Write a module that prompts the user for an integer and then returns the factorial of that integer.

Q3/10   Write a module that queries the user for two IP addresses (source and destination) and then the subnet mask of the source. The user will enter all three in usual dot decimal notation. The program will then print the mask and the two addresses in binary format (in separate rows and aligned with each other).

NB: if you apply a binary operation like &, | or ^ on integers, Python will automatically convert ints to base 2 before doing the binary operation. The result will be in base 10. If you want to see the result in binary you must use bin() function.