Question: **What does "if \_\_name\_\_ == '\_\_main\_\_':" do?**   
**Ans**: When the Python interpreter reads a source file, it executes all of the code found in it. Before executing the code, it will define a few special variables. For example, if the python interpreter is running that module (the source file) as the main program, it sets the special **\_\_name\_\_** variable to have a value **\_\_main\_\_**. If this file is being imported from another module, **\_\_name\_\_** will be set to the module's name.

1. import: \_\_name\_\_ = module's filename   
   if statement == False, and the script in \_\_main\_\_ will not be executed
2. direct run: \_\_name\_\_ = \_\_main\_\_  
   if statement == True, and the script in \_\_main\_\_ will be executed

Also, it exits the python interpreter after we run it directly. But if we import it, the exit call never happens because the if statement is false.