

# Python First Program

To start with Python, first make sure that the Python is installed on local computer. To install Python, visit the official site and download Python from the download section. Let's execute programs in different modes of programming.

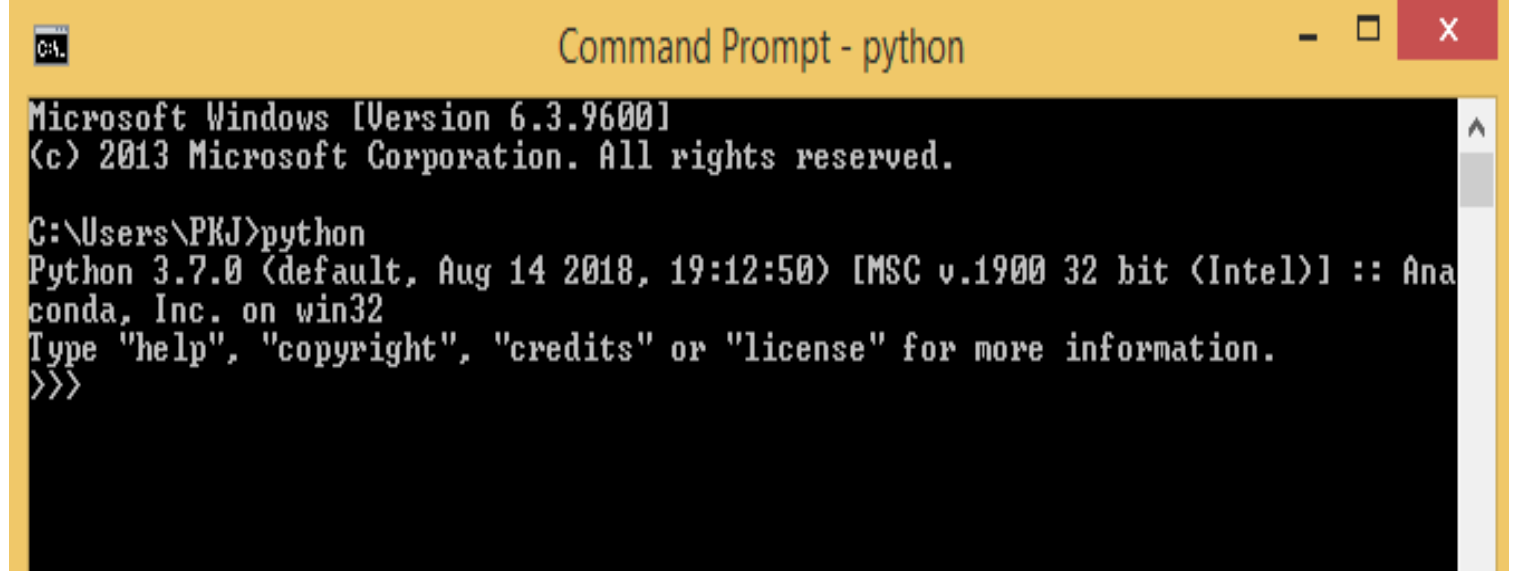
## Interactive Mode

Python provides Interactive Shell to execute code immediately and produce output instantly. To get into this shell, write python in the command prompt and start working with Python.

A screenshot of a Windows Command Prompt window. The title bar is yellow and says "Command Prompt". The window has standard Windows window controls (minimize, maximize, close) on the right. The background is black with white text. The text inside the window reads: "Microsoft Windows [Version 6.3.9600]  
(c) 2013 Microsoft Corporation. All rights reserved.  
C:\Users\PKJ>python". The cursor is at the end of the command line.

```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\PKJ>python
```

Press Enter key and the Command Prompt will appear like,

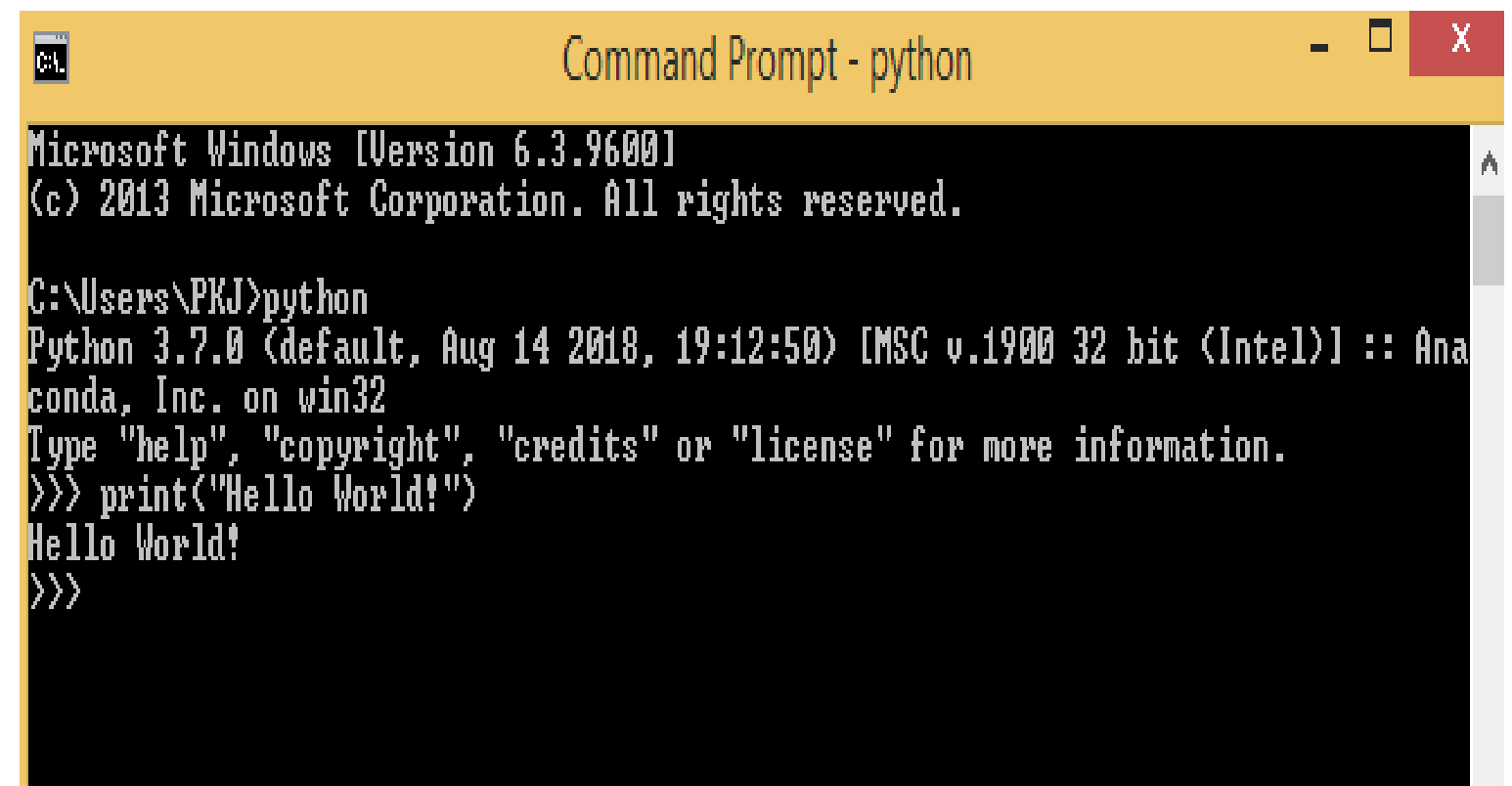


```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\PKJ>python
Python 3.7.0 (default, Aug 14 2018, 19:12:50) [MSC v.1900 32 bit (Intel)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Now we can execute our Python commands.

Here is the First program which displays Hello World!



```
Microsoft Windows [Version 6.3.9600]
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Python 3.7.0 (default, Aug 14 2018, 19:12:50) [MSC v.1900 32 bit (Intel)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("Hello World!")
Hello World!
>>>
```

## Script Mode

Alternatively, programmers can store Python script source code in a file with the .py extension, and use the interpreter to execute the contents of the file. To execute the script by the interpreter, you have to tell the interpreter the name of the file,

Open text editor and Write following code in it and save it as a first.py.

```
print("Hello World!")
```

Now open Command prompt and execute it by

```
python first.py
```

Path in the command prompt should be location of saved file. where you have saved your file. In the above case file should be saved at desktop.



# Command Prompt



Microsoft Windows [Version 6.3.9600]  
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\PKJ>cd Desktop

C:\Users\PKJ\Desktop>python first.py  
Hello World!

C:\Users\PKJ\Desktop>