

第一个Python程序

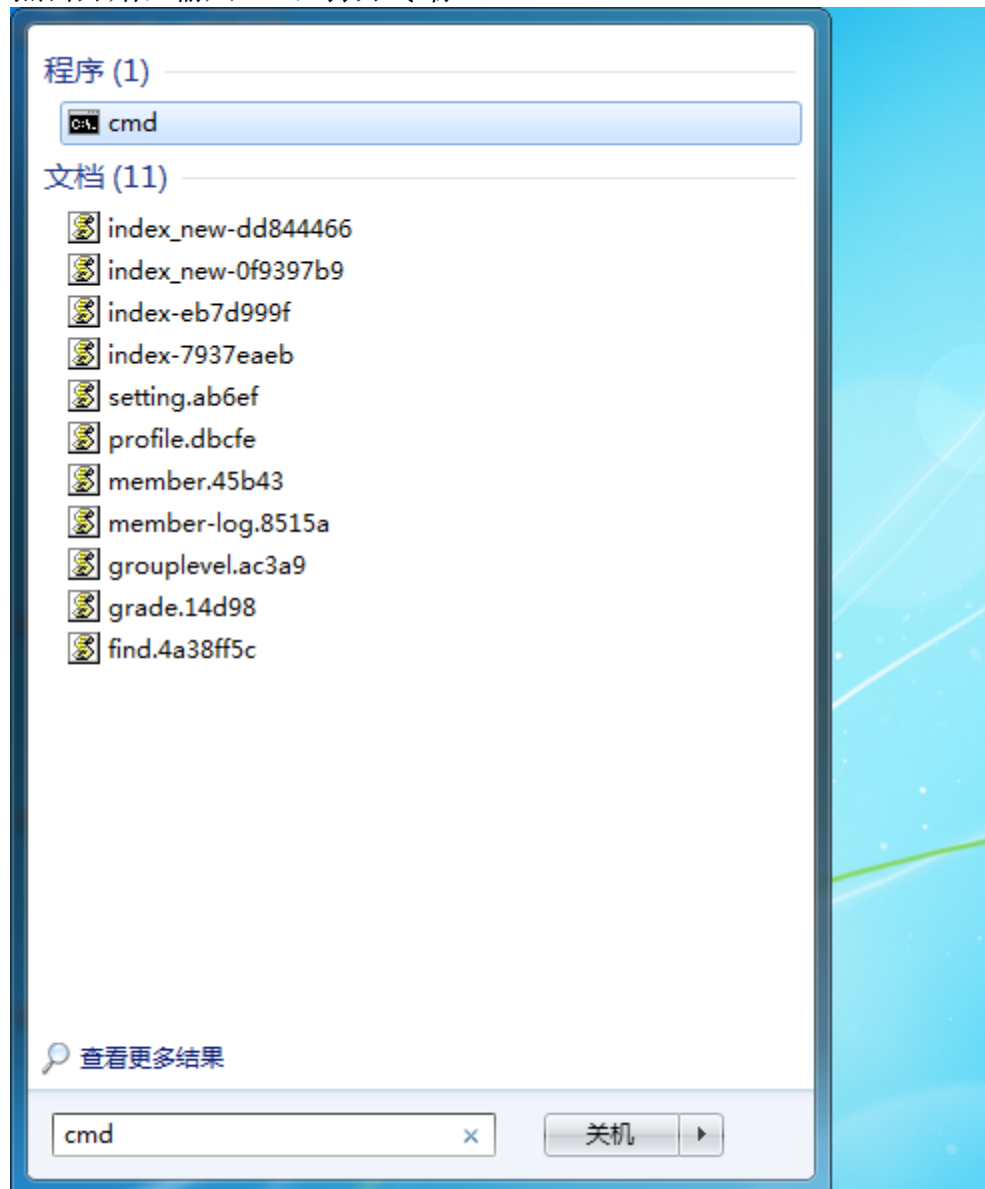
实验目标：

掌握多种Python运行的方法

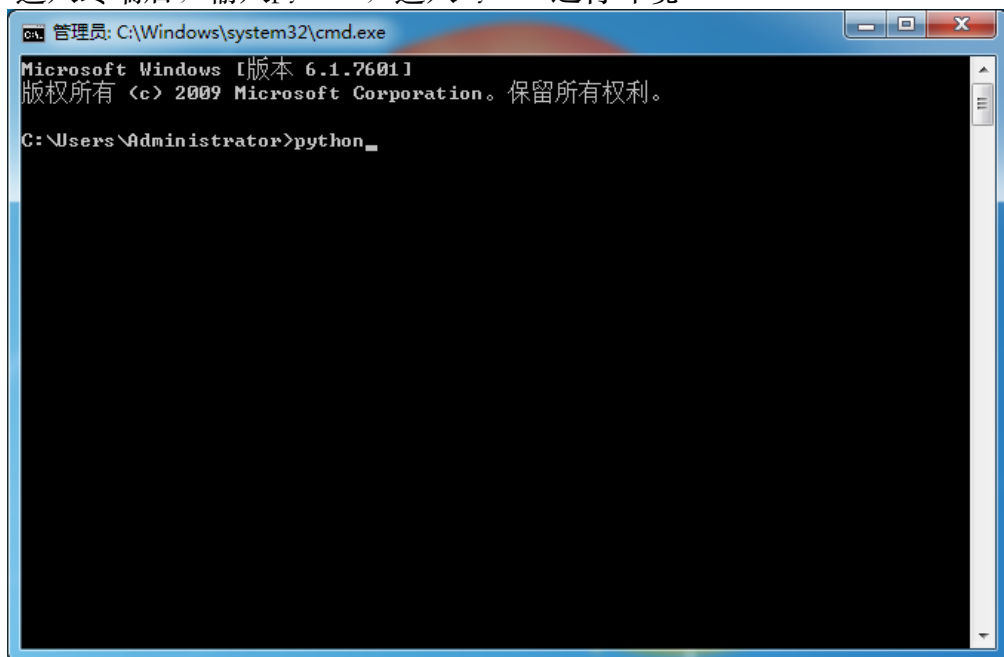
实验过程：

➤ 方法一：使用终端编写Python代码¹

1. 点击开始，输入cmd，打开终端



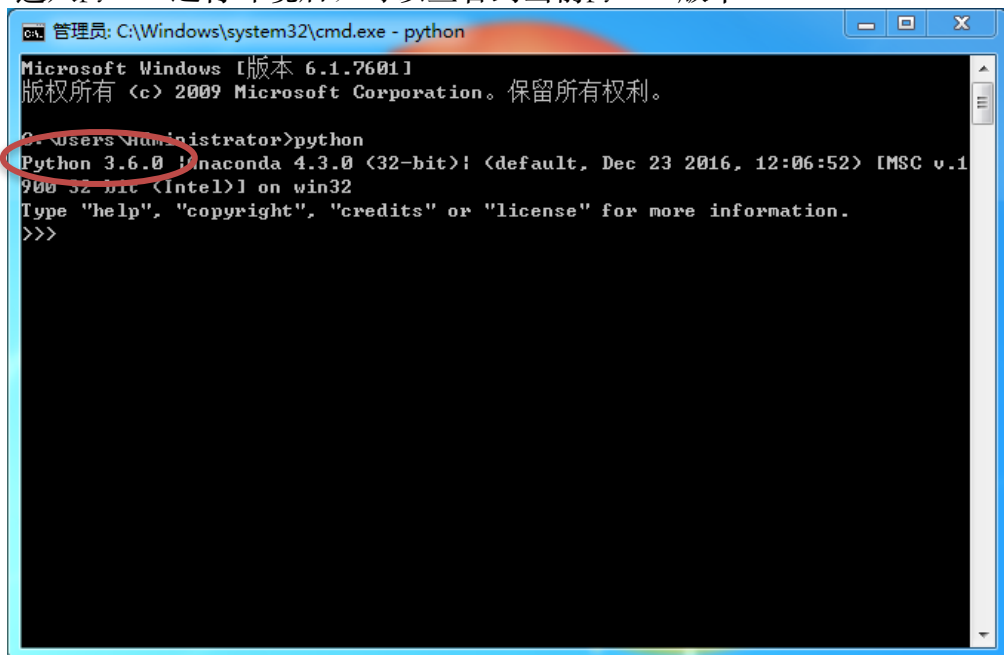
2. 进入终端后，输入python，进入Python运行环境



```
管理员: C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\Administrator>python_
```

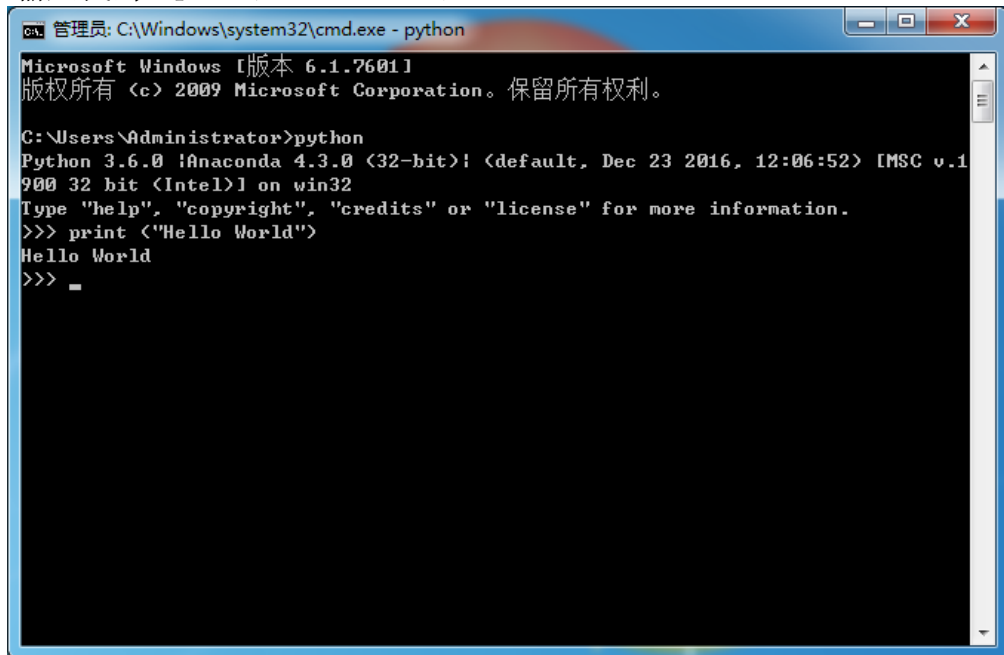
3. 进入python运行环境后，可以查看到当前python版本



```
管理员: C:\Windows\system32\cmd.exe - python
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\Administrator>python
Python 3.6.0 |Anaconda 4.3.0 (32-bit)| (default, Dec 23 2016, 12:06:52) [MSC v.1
900 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

4. 输入代码，print (“Hello World”)



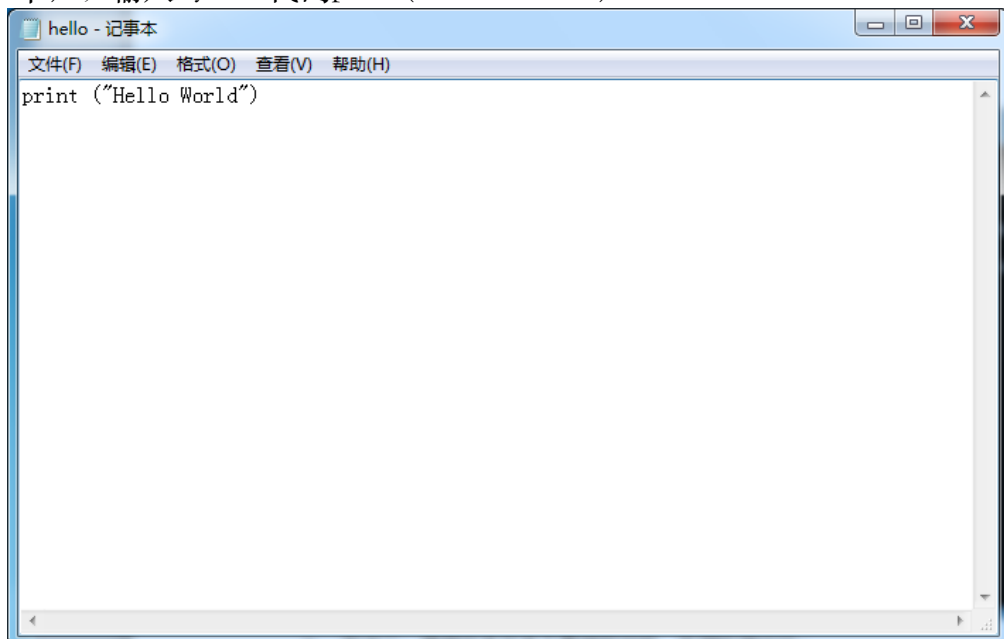
A screenshot of a Windows command prompt window titled "管理员: C:\Windows\system32\cmd.exe - python". The window shows the output of running the Python interpreter. The text displayed is as follows:

```
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\Administrator>python
Python 3.6.0 |Anaconda 4.3.0 (32-bit)| (default, Dec 23 2016, 12:06:52) [MSC v.1
900 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print ("Hello World")
Hello World
>>> _
```

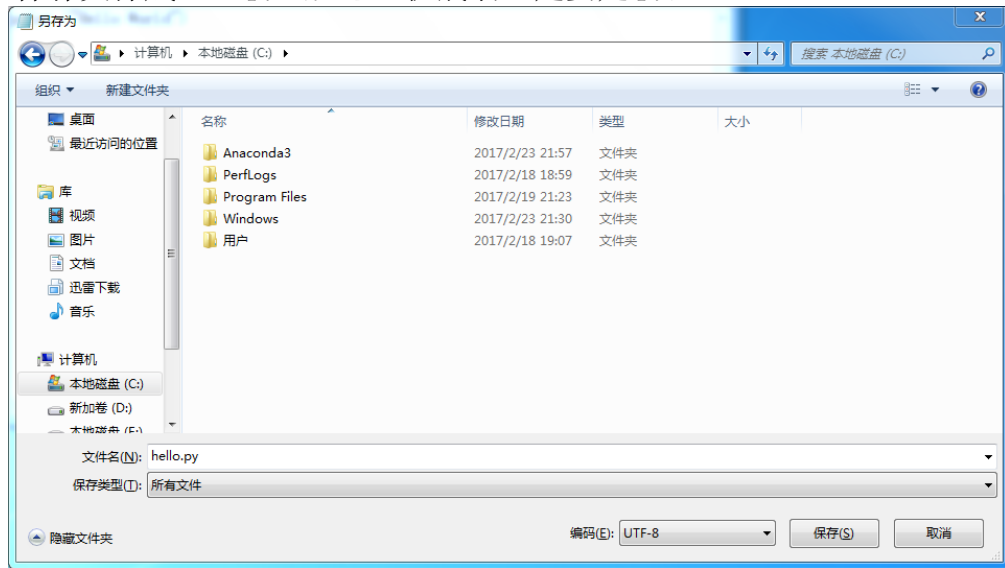
➤ 方法二：使用文本工具编写代码，在用终端运行

1. 打开记事本或其他工具，比如notepad++、Atom（注意：不要使用记事本），输入Python代码print (“Hello World”)

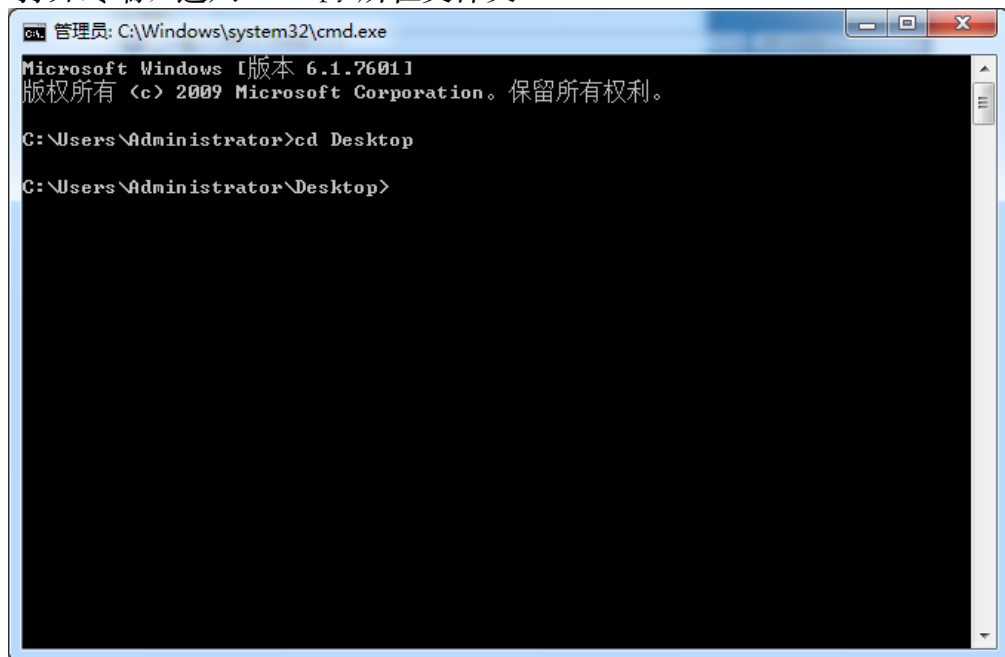


A screenshot of a Notepad window titled "hello - 记事本". The window shows the text "print ("Hello World")" entered into the text area. The menu bar at the top includes "文件(F)", "编辑(E)", "格式(O)", "查看(V)", and "帮助(H)".

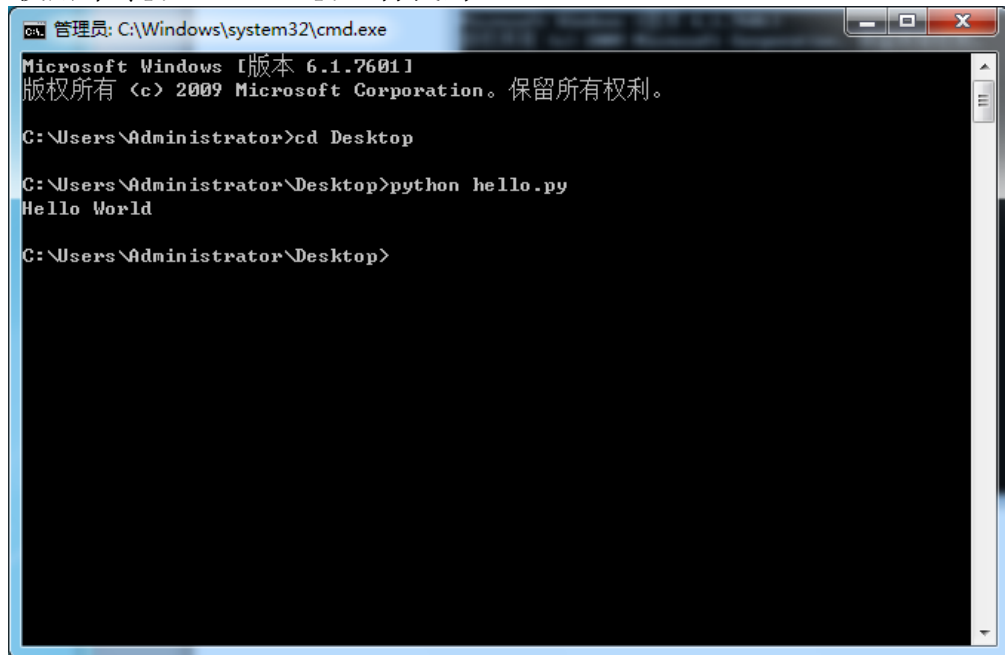
2. 保存文件成hello.py（注意：扩展名一定要是.py）



3. 打开终端，进入Hello.py 所在文件夹



4. 使用命令python hello.py运行代码



A screenshot of a Windows command prompt window titled "管理员: C:\Windows\system32\cmd.exe". The window shows the following commands and output:

```
Microsoft Windows [版本 6.1.7601]
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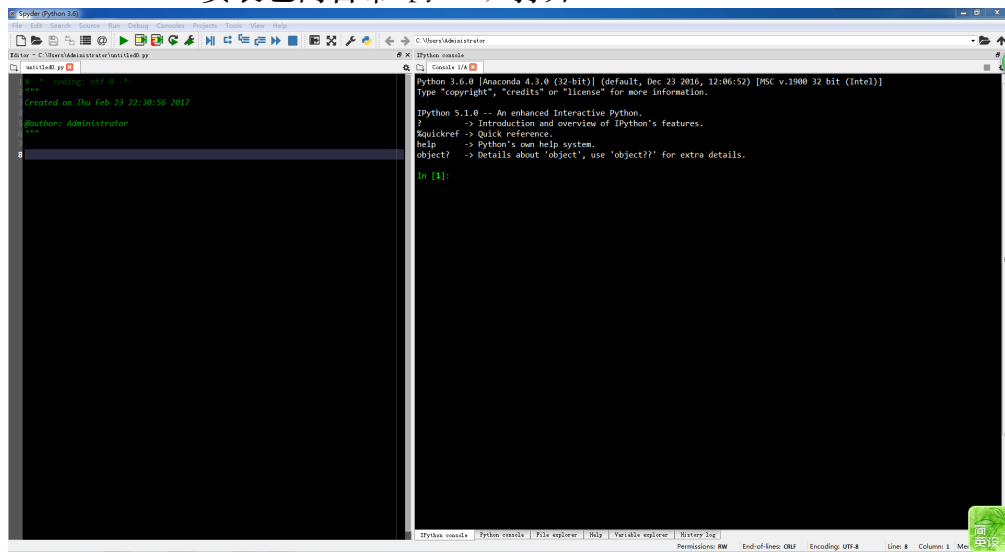
C:\Users\Administrator>cd Desktop

C:\Users\Administrator\Desktop>python hello.py
Hello World

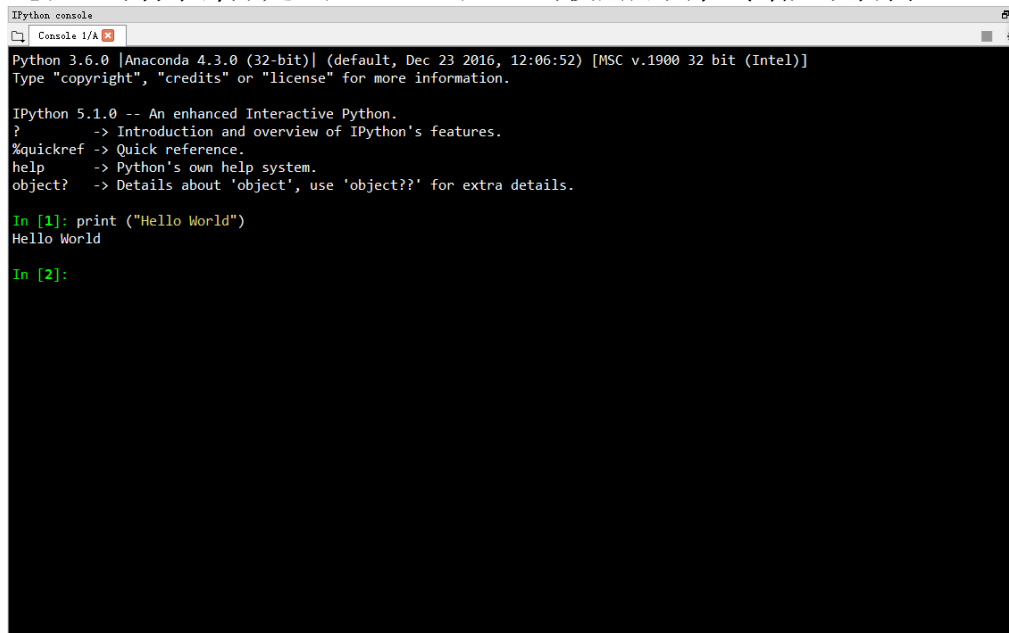
C:\Users\Administrator\Desktop>
```

➤ 方法三：使用Spyder

1. ANACONDA安装包内自带Spyder，打开



2. Spyder的右半部分是IPython，IPython的使用方法和终端大致雷同



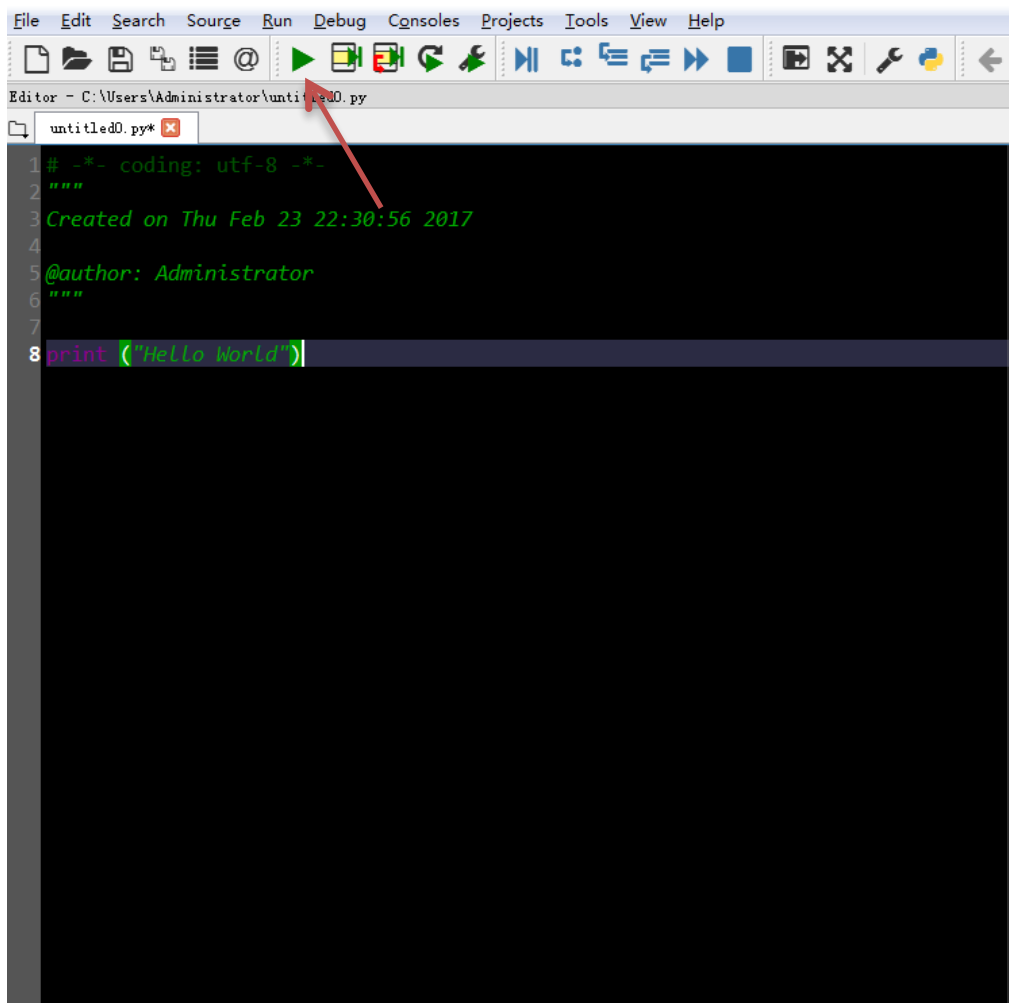
```
Python 3.6.0 [Anaconda 4.3.0 (32-bit)] (default, Dec 23 2016, 12:06:52) [MSC v.1900 32 bit (Intel)]
Type "copyright", "credits" or "license" for more information.

IPython 5.1.0 -- An enhanced Interactive Python.
?                -> Introduction and overview of IPython's features.
%quickref        -> Quick reference.
help             -> Python's own help system.
object?         -> Details about 'object', use 'object??' for extra details.

In [1]: print ("Hello World")
Hello World

In [2]:
```

3. 也可以使用左半部分，输入代码后，点击运行



```
File Edit Search Source Run Debug Consoles Projects Tools View Help

untitled0.py*

1 # -*- coding: utf-8 -*-
2 """
3 Created on Thu Feb 23 22:30:56 2017
4
5 @author: Administrator
6 """
7
8 print ("Hello World")
```