

How to write and execute python program without using python editor (IDE)?

1. Open notepad

A screenshot of a Notepad window titled "test1 - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the code `print("Hello Python")` with the cursor at the end of the line.

2.

3. Save the program with extension .py

4. Open command prompt

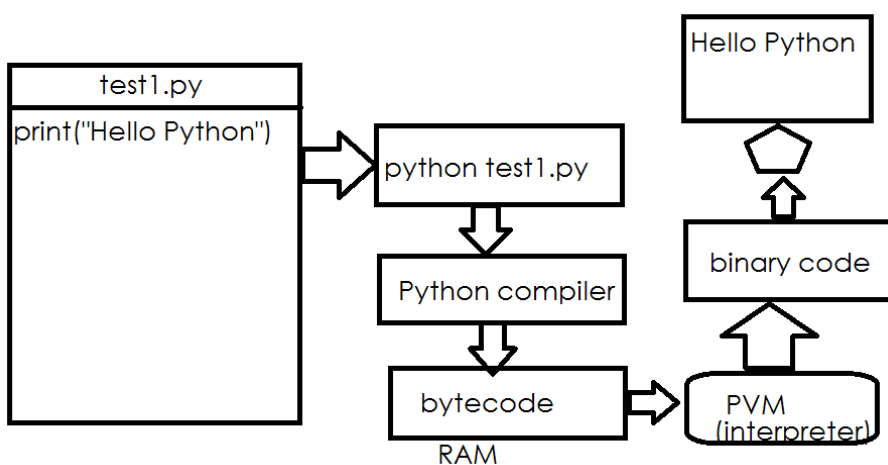
5. Search → cmd

6. Open folder where python program is saved

A screenshot of a Windows Command Prompt window. It shows the following commands and output:  
`C:\Users\nit>cd desktop`  
`C:\Users\nit\Desktop>python test1.py`  
`Hello Python`  
`C:\Users\nit\Desktop>`

7.

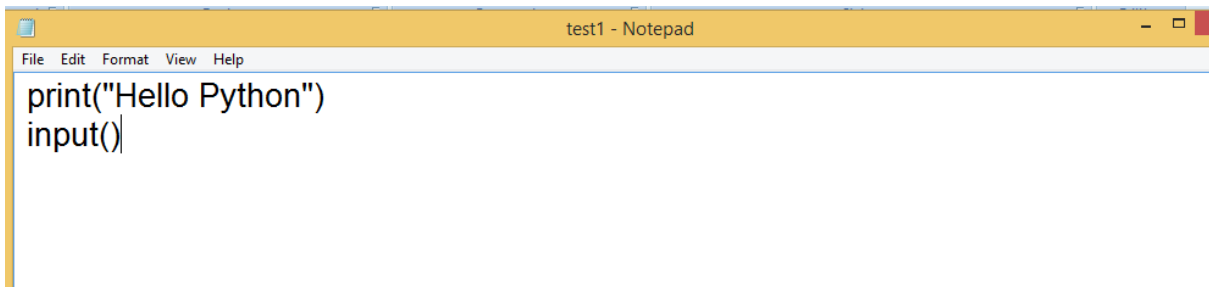
compilation and execution process of python program



Whenever we compile python program, python compiler generate byte code. This byte code is stored inside RAM. The byte code stored inside RAM is temp.

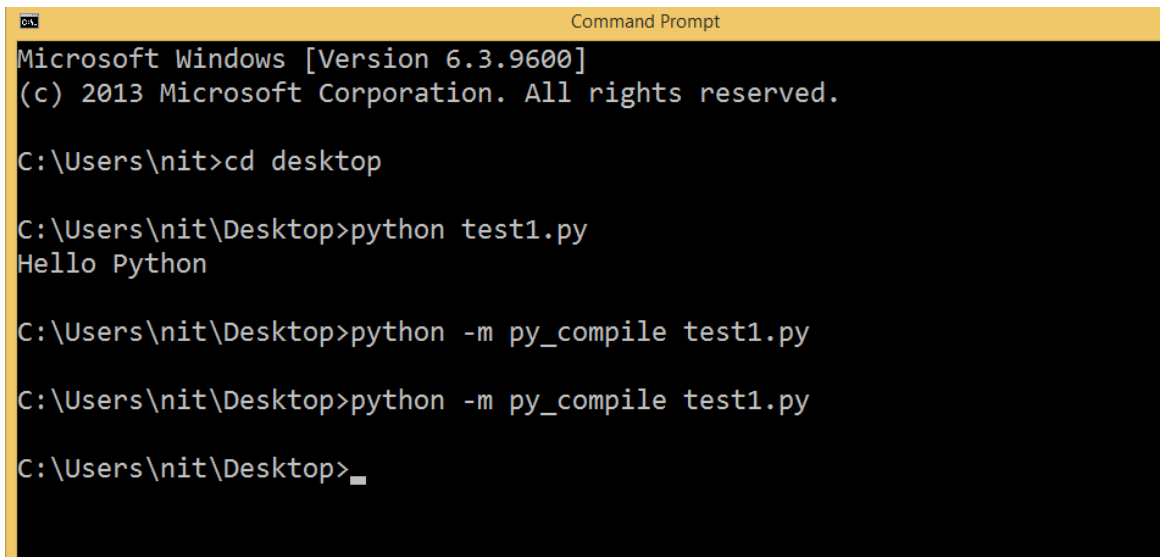
### How generate .pyc file or intermediate file?

1. Open notepad
2. Write a python program
- 3.



```
File Edit Format View Help
print("Hello Python")
input()
```

4. Save the program with extension .py
5. Open command prompt
- 6.



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

C:\Users\nit>cd desktop

C:\Users\nit\Desktop>python test1.py
Hello Python

C:\Users\nit\Desktop>python -m py_compile test1.py

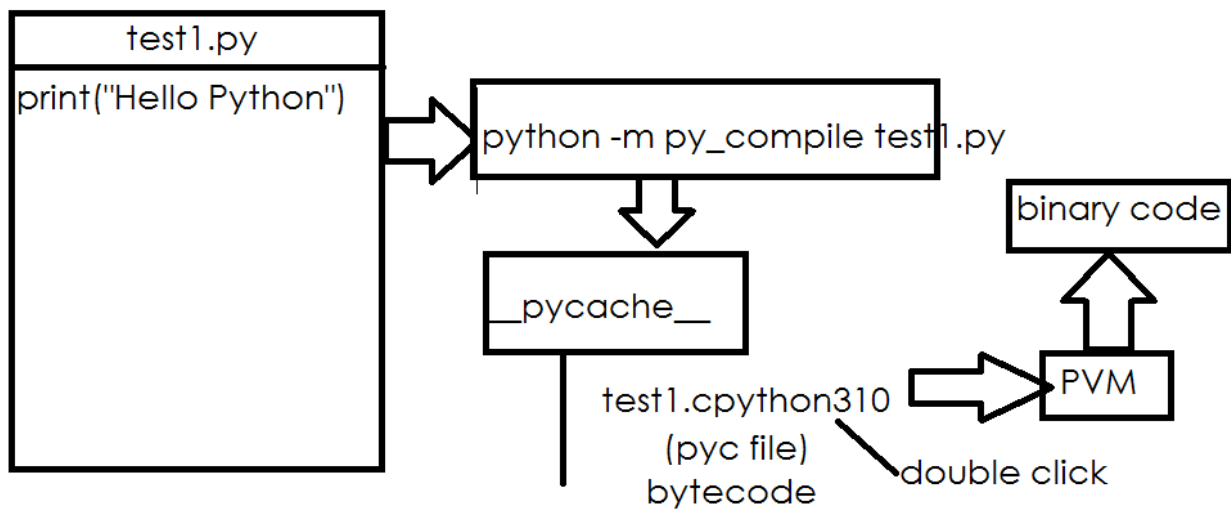
C:\Users\nit\Desktop>python -m py_compile test1.py

C:\Users\nit\Desktop>_
```

-m is an option provided by python command

This option is used to include module before compiling program

py\_compile is a predefined module/lib which provides function for compiling program. this module create one folder `__pycache__`. This folder contains .pyc



## Python Language Fundamentals

1. Character set
2. Tokens of python
  - a. Keywords
  - b. Identifiers
  - c. Literals
  - d. Operators
  - e. Data Types
3. Structure of writing python program

### English

1. Alphabets
2. Words
3. Sent
4. para

### Python

1. Character set
2. Tokens
3. Statements
4. Program
5. Software

## Character set of python

Character set defines encoding and decoding standards.  
There are two types of character sets.

1. ASCII
2. UNICODE