

# INTRODUCING PYTHON

CLASS VIII CH6

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**CHANGING YOUR TOMORROW**

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# LEARNING OUTCOME

- *Introducing python*
- *Learn to install python*
- *Components of python window*
- *Modes of python*

# INTRODUCTION

- What you see in the picture



- You see that formation of a toy is divided into three major steps.
- 1. Raw clay is the input.
- 2. Moulding, coloring and drying is the processing
- 3. And the clay toy is the output.



# FEATURES OF PYTHON

Python is a general purpose High level programming language.

- The popular features are :

- Simple and Interactive
- Platform independent
- Case sensitive
- Object Oriented
- Interpreted Language

It was created by Guido Van Rossum at Centrum Wiskunde & Informatica(WCI)

# APPLICATIONS DEVELOPED BY PYTHON

You 

Google

 Dropbox



Quora



You can download various Python distributives  
from [www.python.org/download](https://www.python.org/download)

## WORKING MODES OF PYTHON

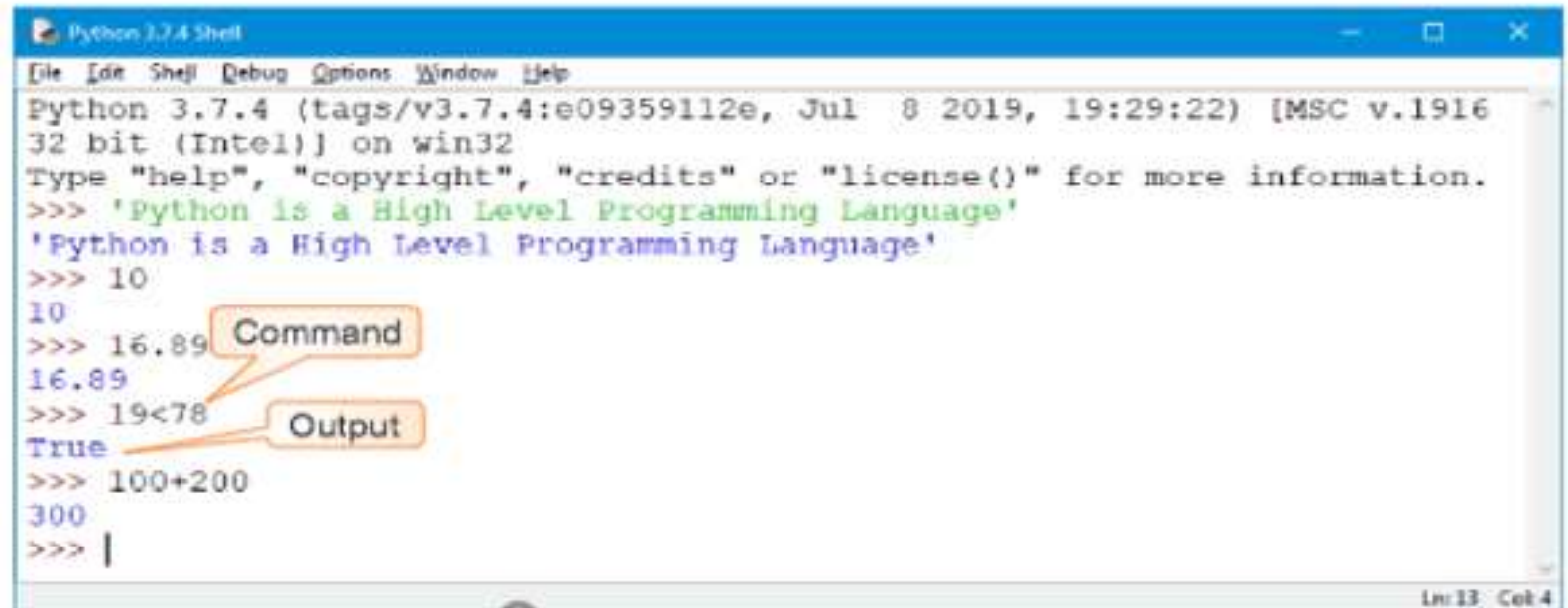
- Python works in two different modes
  - 1. Interactive Mode
  - 2. Script mode
- Interactive Mode : Python executes the one command or statements at a time.
- Script Mode : This mode is used to develop programs or execute multiple statements.

# STEPS TO OPEN PYTHON

To work in the Interactive mode, follow the process given below:

- Click on the **Start** button > scroll down to **Python 3.7 > IDLE(Python 3.7)**.
- It will open the Python Shell Window where you will see the Python prompt(>>>)

Type the following commands in the interactive mode and see the output:



```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916
32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> 'Python is a High Level Programming Language'
'Python is a High Level Programming Language'
>>> 10
10
>>> 16.89
16.89
>>> 19<78
True
>>> 100+200
300
>>> |
```

The screenshot shows the Python 3.7.4 Shell window. It displays the Python prompt (>>>) and the output of several commands. The commands and their outputs are: 'Python is a High Level Programming Language' (output: 'Python is a High Level Programming Language'), 10 (output: 10), 16.89 (output: 16.89), 19<78 (output: True), and 100+200 (output: 300). The prompt is currently at the start of a new line. There are two callout boxes: one labeled 'Command' pointing to the input '16.89' and another labeled 'Output' pointing to the output 'True'.

# Recaptulation

The most important features of python are

- ✓ simple interactive
- ✓ Platform independent
- ✓ Case sensitive ,object oriented
- ✓ Interpreted language

Two working mode are

- ✓ Script mode
- ✓ Interactive mode



## HOME ASSIGNMENT

- 1 what is python?
- 2. what are the important features of python.
- 3. what are the working mode of python

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**