

MORE ON PYTHON

CLASS VII
CH-6 PERIOD -1

CHANGING YOUR TOMORROW

OUTCOME OF THE CLASS

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

INTRODUCTION

- Python is a simple Programming language that is used to write codes for the computer programs.
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- Python was created by Guido Van Rossum when he was working at Centrum Wiskunde & Informatica (CWI), which is a National Research Institute for Mathematics and Computer Science in Netherlands.
- The language was released in 1991.
- Python is a high-level programming language.

FEATURES THAT MAKES PYTHON POPULAR

Some of the features that make Python so popular are as follows:

It is an easy to learn general-purpose programming language.

- It is a platform independent programming language, which means it can be used on any machine operating system.
- It has a simple syntax.
- Python is a case-sensitive language.
- It is an interpreted language.
- It is free to use and even free for commercial products.

APPLICATION OF PYTHON

Python is a popular and easy to learn language. It can be used to:

- Build a website
- Develop games
- Program robots
- Perform scientific computations
- Develop artificial intelligence applications

Version and installation

- You can download Python distributes from:
- www.python.org/download. For this chapter, we have used Python 3.7.4.python
- After down load double click on it to istall in your computer.

COMPONENTS OF PYTHON WINDOW

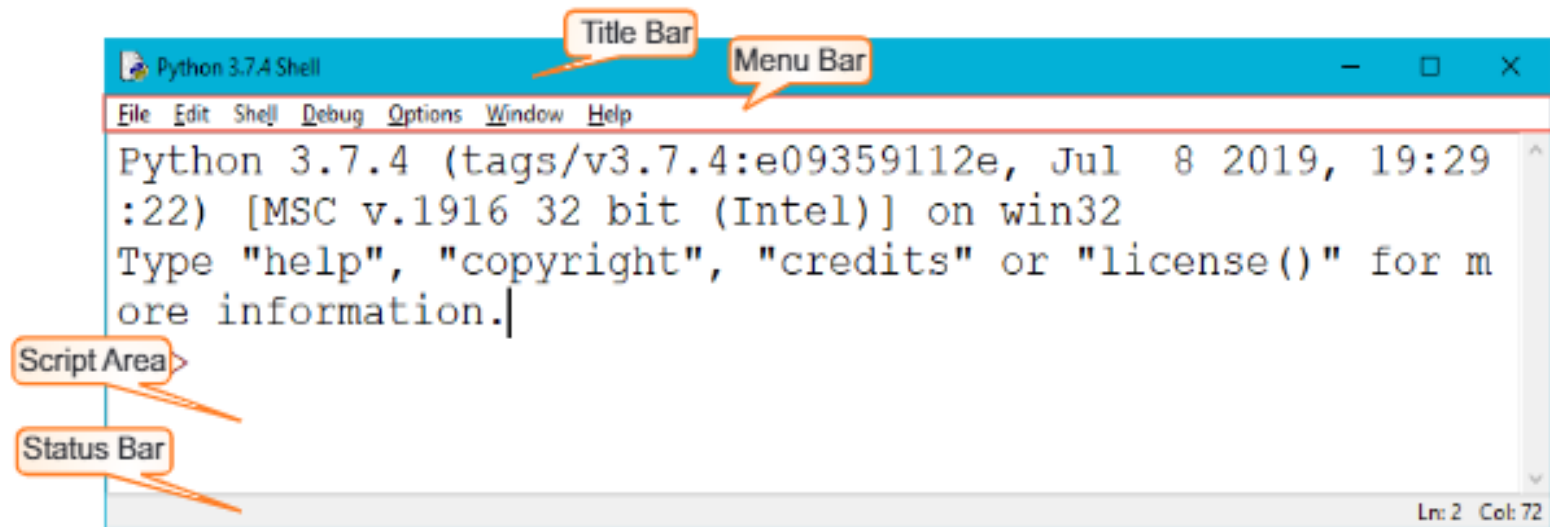


Figure 8.4: Components of Python Window

MODES OF PYTHON

- You can work with python in two mode
- In Script Mode
- Python Programming in Interactive Mode
- in the Interactive mode of Python, the instructions are executed, line by line, giving the
- output.
- In this mode, the commands are typed next to the Python Command prompt (`>>>`). For example, if you type `3+6` next to the Python Prompt, it will give you the result as 9.
- To work in the Interactive mode, follow the process given:
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