

3 Sep '25

Machine Learning

Python Saved in the format Python extension .py

Notebook Python Notebook Python extension .ipynb

Python → indent programming language

usage :- below Only the Output will give → ^{Console → output} Jupyter Notebook

Three Level :-

→ High - Python, C, C++

→ Mid - Assembly

→ Low - Binary (0,1)

Interpreter - line by line

Compiler - full code check

Python :- Interpreter, High level, Object Oriented Programming, indented, dynamically is called a Python.

Object Oriented Program → java

Semi Object → C++

features :-

- * Simple Syntax / easy to learn

- * Libraries (function)

- * Open Source (freely use)

- * Platform Independent

- * Less memory

- * Execute faster than some program

Eg :- C program

Applications :-

- * Web development
- * Mobile app development
- * Machine / deep learning
- * AI
- * Cyber Security
- * Graphics
- * IoT
- * Automation
- * Desktop app