

1.Introduction To Python

Python is a High-level,interpreted,Object oriented programming language.

>>It was invented by Guido Van Rossum in 1991.

Features Of Python :-

>>1.Clean and Readable code :- Python code is easy to write and understand because it uses simple and clear language.

>>2.Indentation for Block :- Python uses spaces and tabs to organize code into blocks. This makes code look neat and helps you see where different parts of the code begin and end.

>>3.No need to declare variables :- In python we don't need to tell the computers what kind of information a variable will hold before using it.Python figures it out.

>>4.Flexible Datatypes :- Python can handle different datatypes of data,like numbers,text, and more.We don't need to worry much about the specific datatype; Python adapts to it.

>>5.Reduced development Time :- Python often allows developers to write code that's 2 to 10 times shorter than equivalent code in languages like c,c++, or Java.This means we can build programs faster.

>>6.Improved Programming Maintenance :- Python code is known for its readability and clarity.This makes it easier to understand and maintain,Which is essential when you need to update or fix code in the future.

>>7.Less Training Required :- Python is considered an easy language to learn.Its simplicity and straightforward syntax mean you can become proficient in Python with less training compared to more complex language.

Programming Style :-

>>File Format :- Python programs are written in text files that typically ends with ".py". When you see a ".py" file,you can tell its a python program.