Introduction to python

Python is a high-level programming language, dynamically typed, interpreted ,general purpose programming language. It more popular due to its simple and more user friendly syntax . It's syntax are more similar to english language , so code is very easy to understand.

Python is created by Guido van Rossum in 1991.

Python is used in various fields ,such as web development , machine learning & ai ,data science,cyber security,IoT etc.

Tokens

They are the smallest unit of a python program which has meaning into the interpreter. Whenever the code is execute the interpreter divide the code into 5 tokens,such as:

1.Keywords:

> They are the words in code with a pre-defined meaning
>
> For example:for,while,def etc

2.Identifiers:

They are the words in code used to represent a variables ,functions or modules   names etc.

For example: a= 10 ,then a is the identifier

3.Literals:

They represent constant data that doesn't change and are assigned to variables or used in expressions.

4.Operators:

Python have a list of operators:

1.Arithmatic operators

2.Comparison operators

3.Assignment operators

4.Logical operators

5.Identity operators

6.Membership operators

5. Punctuators

Symbols used to structure code.

Examples:

( ) { } [ ] , : . = ; @