REPL

Read Eval Print Loop

IDE

Integrated Development environment

PyCharm

IDLE (the one that I just launched)

Jupyter (the one that all of you have it open)

Spyder

Visual Studio

Eclipse

etc.....

DS AI ML

web Frameworks (django, flask)

DevOps

Testing

Automation

Embedded Systems

Telecom

.py (python)

.ipynb (iPython Notebooks)

Numbers:

int

float

complex numbers (6 + 7i)

## 

## Operators:

Arith:

+ add

- subtraction

\* multiply

/ division

% modulo (remainder)

// floor division

\*\* exponent

Logical

Comparative

## 

## 

## Strings:

double quotes or single quotes

indexed

negative index

sliced

upper range not included

does not give out-of-bound error

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | l | s | t | o | m |
| 0 | 1 | 2 | 3 | 4 | 5 |
| -6 | -5 | -4 | -3 | -2 | -1 |

immutable