

PYTHON

History:
—— Gruido Van Rossum.

1970's: BBC Comedy Series

• Monty Python Flying Circus.

Advantages :-

· Simple | short.

· Vast Application (Complete language)

frontend

Backend

DS/DA

- · Lots of libraries / Community Support.
 · Open-source.
- · Dynamic Typing
- · Automatic Memory Management.
- · Cross platform Support.

Cython # Jython # Iron Python

High Level Datatypes:
i) Lists ii) Tuples iii) Dictionaries iv) Sets.

For Swapping:

$$\begin{bmatrix} a=2\\ a=6 \end{bmatrix} \longrightarrow b=6$$

int
$$a = 2$$

$$b = 6$$

$$temp = a$$

$$a = b \rightarrow b = 6$$

$$b = temp \qquad temp : 2$$

$$\begin{array}{c}
Q = 6 \\
b = 2
\end{array}$$

Jank System. oud printen (1)

Str1 = "MALAYALAM"

Sength,

for !- 0 - (len- 1)

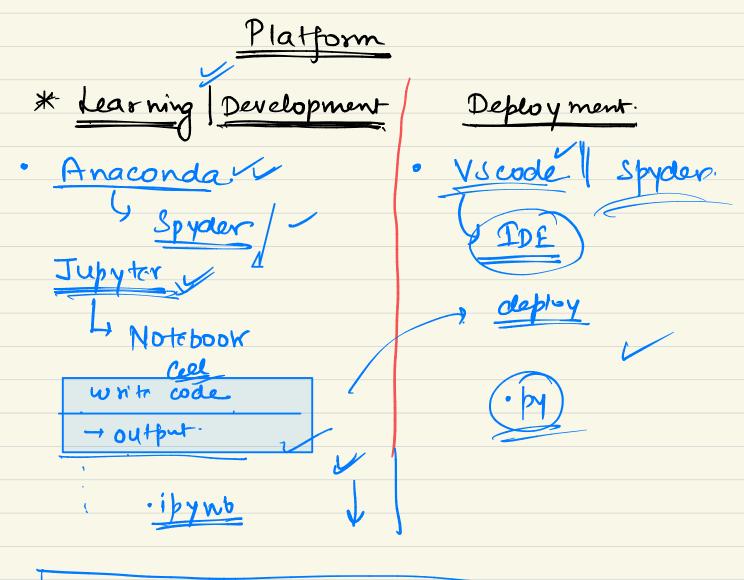
y str1[0] == str1[len-1],

Count = count + 1 L

Den = len - 1.

Disadvantage:

Python is a very high level language. Which makes it slower.



J. Leetcode JK + Hackerrank