14. Longest Common Prefix



Write a function to find the longest common prefix string amongst an array of strings.

If there is no common prefix, return an empty string "".

Example 1:

```
Input: strs = ["flower","flow","flight"]
Output: "fl"
```

Example 2:

```
Input: strs = ["dog","racecar","car"]
Output: ""
```

Explanation: There is no common prefix among the input strings.

Constraints:

- 1 <= strs.length <= 200
- 0 <= strs[i].length <= 200
- strs[i] consists of only lowercase English letters if it is non-empty.

Mencari awalan yang sama (common)
dari sebuah array of strings

```
→ CODE
```

```
The strings of strings

1.) def longest (0 mmon Prefix (self, strs)

Nama Fungsi menunjukkan

Object instance

Aari Closs Solution {00P}
```

```
2) jf not Strs: return""
12 cel apaliah String bosong; jilia iya return""

ex:[]-> return""
```

```
3.) prefix: Strs[0]

Ly prefix mulai dari string pertama (index:0)

ex: ["Flower", "Flow", "Flight"] -> prefix. "Flower"

Kenapa ambil Yang pertama?
```

```
b Prefix tidau akan lebih panjang dari string pertama
Hanti akan dipotong jika tidau cocok
>> paling awal akses aja , prefix pasti pendek
even tidak lebih panjang dari String manapun
```

4.)	FOT S in Strs [1:]:
	17 Looping semua String mulai dari String Le-2
	Tujuannya untuk membandingkan prefix dengan
	String - String berilwenga
5.)	While not s. Startswith (Prehix):
	47 Celi apabah String s fidah di awali
	dengan prefix saat wi
	Ы Jika tidak, Potong prefix clari belakong Satu hurvf
6.)	prefix: Prefix [: -1]
	1> potong 1 harabter dari belahang
7)	if not prefix: return " "

b Jiva prefix housis -> return

by hembalikan hasil alkhir prefix

3.) Feturn Prefix

Strs: ["Flower", "Flow", "Flight"]

Prefix: "Flower"

bandingkan "Flower" dengan "Flow"

strs [0] strs [1]

Flower vs Flow -> bokan prefix

-> Potong jad "Flow"

L> cocau

Bandingkan "Flow" vs "Hight"

"Flow" vs "Flight" -> tidak cocou

→ Potong jawi "Flo" → tidau cocou

-> Potong jadi F1"

-> cocou

-> hasil:"Fl°

```
Prefix: Flower & Strs [0] }
                                                 (2) S: Flight'
                                                 > ('Flight'). Startswith ('Flow') -> FALSE
(1) S: Flow'
 ( Flow ). Startswith ( Flower ) -> Faise
                                                        Prefix: 'Flo'
                                                 > ('Flight'). Startswith ('Flo') -> FALSE
  Prefix: 'Flower' -> potong | huruk
                                                    Prefix: FI
   b prefix: Flowe
 ( 'Flow') - Startswit ( 'Flowe') -> Faise
                                                > ('Flight'). Startswith ('Fl') -> TRUE
    b prefix: 'Flow'
                                                   Hasil auhir: prefix= "FI"
( 'Flow'). Startswit ( 'Flow') -> True
 b hasil sementara : Prefix = `flow'
                                                 OULPUL : 'FI'
```