

## 1. 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.

## 2. Pattern

```

    A
  B  B
C  C  C
D  D  D  D
E  E  E  E  E
```