

Longest common prefix

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

For Example:

“Foo” and “Foobar” give “Foo” as longest prefix.

Solutions:

```
class Solution:
```

```
    # @return a string
```

```
    def longestCommonPrefix(self, strs):
```

```
        if len(strs) == 0:
```

```
            return ""
```

```
        for i in range(len(strs[0])-1,-1,-1):
```

```
            prefix = strs[0][:i+1]
```

```
            validPrefix = True
```

```
            for j in range(1,len(strs)):
```

```
                if len(strs[j])<=i or strs[j][:i+1]!=prefix:
```

```
                    validPrefix = False
```

```
                    break
```

```
            if validPrefix:
```

```
                return prefix
```

```
        return ""
```

```
Solution().longestCommonPrefix(["Foo","FooBar","Food"])
```