



HelloWorld.py



Varsh

NEW

PYTHON

RUN



```
1 def longest_common_prefix(strs):
2     if not strs:
3         return ""
4
5     prefix = strs[0]
6     for string in strs[1:]:
7         while string[:len(prefix)] != prefix:
8             prefix = prefix[:-1]
9         if not prefix:
10            return ""
11    return prefix
12
13 strs = ["flower", "flow", "flight"]
14 print(longest_common_prefix(strs))
```

STDIN

Input for the program (
Optional)

Output:

f1



HelloWorld.py



Python

NEW

PYTHON

RUN



```
1 def romanToInt(s: str) -> int:
2     roman_dict = {'I': 1, 'V': 5, 'X': 10, 'L': 50
3     total = 0
4
5     for i in range(len(s)):
6         if i < len(s) - 1 and roman_dict[s[i]] < r
7             total -= roman_dict[s[i]]
8         else:
9             total += roman_dict[s[i]]
10
11     return total
12 s = "MCMXCIV"
13 print(romanToInt(s))
```

STDIN

Input for the program (
Optional)

Output:

1994

HelloWorld.py



42cjxs7uj



NEW

PYTHON



RUN



```
1 def romanToInt(s: str) -> int:
2     roman_dict = {'I': 1, 'V': 5, 'X': 10, 'L': 50}
3     total = 0
4
5     for i in range(len(s)):
6         if i < len(s) - 1 and roman_dict[s[i]] < r
7             total -= roman_dict[s[i]]
8         else:
9             total += roman_dict[s[i]]
10
11     return total
12 s = "LVIII"
13 print(romanToInt(s))
```

STDIN

Input for the program (
Optional)

Output:

58

HelloWorld.py



Python

NEW

PYTHON ▾

RUN



```
1 def romanToInt(s: str) -> int:
2     roman_values = {'I': 1, 'V': 5, 'X': 10, 'L':
3     total = 0
4     prev_value = 0
5
6     for char in s:
7         value = roman_values[char]
8         if value > prev_value:
9             total += value - 2 * prev_value
10        else:
11            total += value
12            prev_value = value
13    return total
14 s = "III"
15 print(romanToInt(s))
```

STDIN

Input for the program (
Optional)

Output:

3

HelloWorld.py

+ 42cjhvw46 

NEW

PYTHON ▾

RUN 

⋮



```
1 def longest_common_prefix(strs):
2     if not strs:
3         return ""
4     strs.sort()
5     prefix = ""
6     for i in range(len(strs[0])):
7         if strs[0][i] == strs[-1][i]:
8             prefix += strs[0][i]
9         else:
10            break
11    return prefix
12    strs = ["dog", "racecar", "car"]
13    print(longest_common_prefix(strs))
```

STDIN

Input for the program (
Optional)

Output: