Assignment -1

Python Programming

Assignment Date	29 September 2022
Team id	PNT2022TMID44143
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Maximum Marks	2 Marks

Question-1:

Write a Python program to find whether a given number (accept from the user) is even or odd, print out an appropriate message to the user

Solution:

```
num=int(input("ENTER A NUMBER"))
mod = num % 2
if mod>0:
    print("This is an odd number.")
else:
    print("This is an even number.")
```

Question-2:

Write a Python program to get the n (non-negative integer) copies of the first 2 characters of a given string. Return the n copies of the whole string if the length is less than 2

Solution:

```
def substring_copy(str, n):
flen = 2
if flen > len(str):
        flen = len(str)
        substr = str[:flen]
```

```
        result = ""
for i in range(n):
result = result + substr
return result
print(substring_copy('abcdef', 2))
print(substring_copy('p', 3));
```

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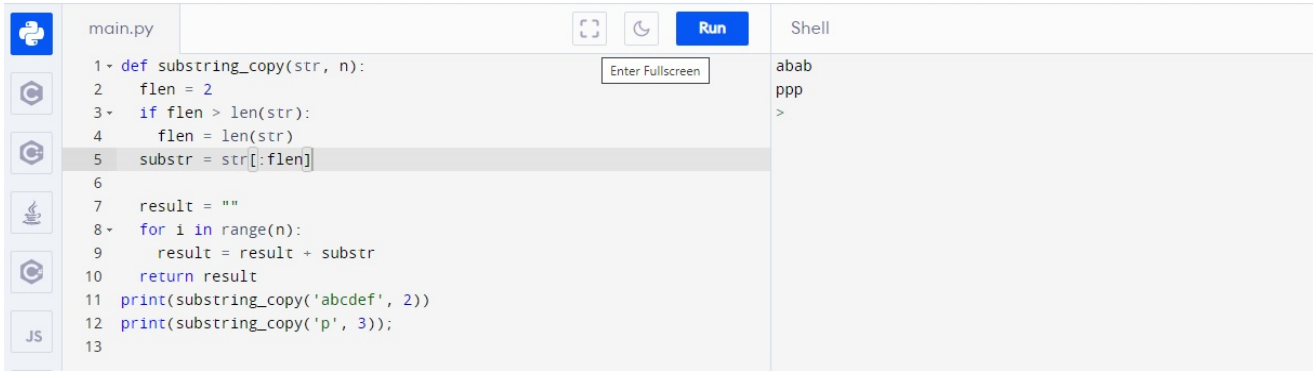


Question-3:

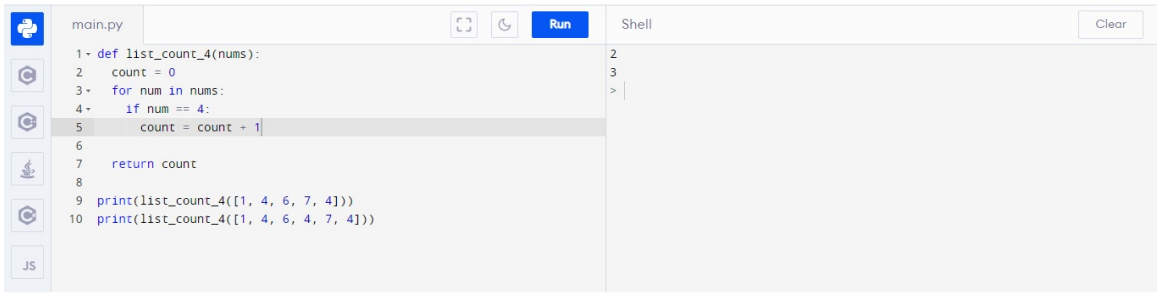
Write a Python program to count the number 4 in a given list.

Solution:

```
def list_count_4(nums):
count = 0
for num in nums:
if num == 4:
count = count + 1

return count

print(list_count_4([1, 4, 6, 7, 4]))
print(list_count_4([1, 4, 6, 4, 7, 4]))
```

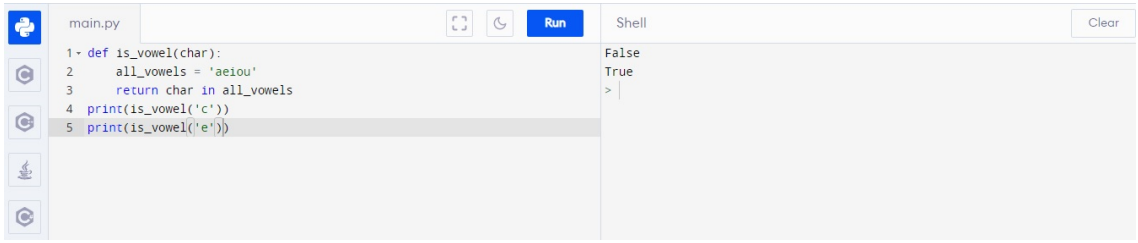


Question-4:

Write a Python program to test whether a passed letter is a vowel or not.

Solution:

```
def is_vowel(char):
 all_vowels = 'aeiou'
return char in all_vowels
print(is_vowel('c'))
print(is_vowel('e'))
```



Question-5:

Write a Python program to check whether a specified value is contained in a group of values.

Test Data:
3 -> [1, 5, 8, 3] : True
-1 -> [1, 5, 8, 3] : False

Solution:

```
def is_group_member(group_data, n):
 for value in group_data:
 if n == value:
return True
return False
print(is_group_member([1, 5, 8, 3], 3))
```

print(is_group_member([5, 8, 3], -1))