

PYTHON MODULE-3

1. Write a python function "remove" that accepts a string and removes all the vowels from the string.

For example:

Test	Result
remove("learning python")	lrnng pythn

PROGRAM:

```
def remove(s):  
    result=""  
    vowels = "aeiouAEIOU"  
    for i in s:  
        if i not in vowels:  
            result+=i  
    print(result)
```

RESULT:

	Test	Expected	Got	
✓	remove("learning python")	lrnng pythn	lrnng pythn	✓
✓	remove("Intelligence")	ntllgnc	ntllgnc	✓

Passed all tests! ✓

2. Write a Python program to find sequences of Lower case letters joined with a '#'.

For example:

Input	Result
saveetha engineering	Not matched!
py#thon	Found a match!

PROGRAM:

```
import re
a=str(input())
pattern=r'^[a-z]+'
if re.match(pattern,a):
    print("Found a match!")
else:
    print("Not matched!")
```

RESULT:

	Input	Expected	Got	
✓	COMPU#TER	Not matched!	Not matched!	✓
✓	saveetha engineering	Not matched!	Not matched!	✓

Passed all tests! ✓

3. Write a python function that accepts N and to create a list with even numbers upto N.

For example:

Test	Result
createlist(10)	[2, 4, 6, 8]

PROGRAM:

```
def createlist(n):  
    list=[]  
    for i in range(1,n):  
        if i%2==0:  
            list.append(i)  
    print(list)
```

RESULT:

	Test	Expected	Got	
✓	createlist(10)	[2, 4, 6, 8]	[2, 4, 6, 8]	✓
✓	createlist(15)	[2, 4, 6, 8, 10, 12, 14]	[2, 4, 6, 8, 10, 12, 14]	✓

Passed all tests! ✓

4. Write a python program to create the tuple by the multiples of 3 up to N and the print sum of the elements of the list. Get the N value from the user.

For example:

Input	Result
18	(3, 6, 9, 12, 15) Sum is 45

PROGRAM:

```
a=int(input())  
n=[]  
sum=0
```

```

for i in range(1,a):
    if (i%3==0):
        n.append(i)
        sum=sum+i
print(tuple(n))
print(f"Sum is {sum}")

```

RESULT:

	Input	Expected	Got	
✓	18	(3, 6, 9, 12, 15) Sum is 45	(3, 6, 9, 12, 15) Sum is 45	✓
✓	25	(3, 6, 9, 12, 15, 18, 21, 24) Sum is 108	(3, 6, 9, 12, 15, 18, 21, 24) Sum is 108	✓

Passed all tests! ✓

5. Write a Python program to read a string as input and check whether the string starts with a specific number 5.

For example:

Input	Result
545698	True

PROGRAM:

```

import re
a=input()
t=r'^[5]'
if re.search(t,a):
    print("True")
else:
    print("False")

```

RESULT:

	Input	Expected	Got	
✓	545698	True	True	✓
✓	875964	False	False	✓

Passed all tests! ✓