

1. write a program to convert capital case to small case in a string |
2. write a program to swap the cases of letters in a string
3. Python program to check whether the string is Symmetrical or Palindrome |
4. Reverse words in a given String in Python
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7. Python – Avoid Spaces in string length
8. Python program to print even length words in a string |
9. Python – Uppercase Half String

#write a program to conver capital case to small case in a string

```
x=str(input())
print(x.lower())
```

```
RATHOD
rathod
```

```
s = str(input())
n = len(s)
```

```
for i in range(n):
    if((s[i] >= 'A') and (s[i] <= 'Z')):
        s = s[:i] + chr(ord(s[i])+32) + s[i+1:]
```

```
print (s)
```

```
↳ I aM learning PYTHON
   i am learning python
```

```
s = "anJali"
for i in range(len(s)):
    if((s[i] >= 'A') and (s[i] <= 'Z')):
        print(i,s[i])
```

```
2 J
```

```
x=str(input())
print(x.swapcase())
```

```
RaThOd
rAtHoD
```

```
s = str(input())
n = len(s)

for i in range(n):
    if((s[i] >= 'A') and (s[i] <= 'Z')):
        s = s[:i] + chr(ord(s[i])+32) + s[i+1:]
    else:
        s = s[]
```

```
print (s)
```

```
y = str(input())
print(len(y.strip()))
```

```
    hey i am
8
```

```
z = "we need to print even length word"
x = z.split(' ')
y=[]
for i in range(len(x)):
    if (i%2 !=0):
        y.append(x[i])
        #append(adding x values in y list which satisfy the statement for i)

print(y)
```

```
['need', 'print', 'length']
```

```
str = 'bbcdu'
if(len(str) %2 != 0):
    print('not a palindrome')
else:
    x = len(str) - 1
    y = int((x+1) / 2)
    flag = 0
    for i in range(y):
        if (str[i] != str[x-i]):
            flag = 1
            break
```

```
if(flag==1):
    print('Not a palindrome')
else:
    print('A palindrome')
```

```
not a palindrome
```

Not a palindrome

```
#extend
```

```
a = [1, 2, 3, 4]
```

```
b = [5, 6, 7, 8]
```

```
a.extend(b)
```

```
print(a)
```

```
[1, 2, 3, 4, 5, 6, 7, 8]
```

```
#insert
```

```
a.insert(1,"anjali")
```

```
a
```

```
[1, 'anjali', 'pavan', 2, 3, 4, 5, 6, 7, 8]
```

```
#append
```

```
a.append('anjali')
```

```
a
```

```
[1, 'anjali', 'pavan', 2, 3, 4, 5, 6, 7, 8, 'anjali']
```

```
#sort
```

```
a = [3, 2, 1]
```

```
a.sort()
```

```
a
```

```
[1, 2, 3]
```

```
x = list(input())
```

```
y= list(input())
```

```
x.extend(y)
```

```
x.insert(1,"anjali")
```

```
x.append("rathod")
```

```
x.sort()
```

```
print(x)
```

```
123
```

```
456
```

```
['1', '2', '3', '4', '5', '6', 'anjali', 'rathod']
```

```
#consider 2 strings and print the common characters in the string, all the cases should me sm
```

```
a = 'anjali'  
b = 'rathod'
```

```
a = []
```

```
a.append(1)  
a
```

```
a.append(3)  
a
```

```
a.append(1)  
a
```

```
a = "anjali90"  
a.isalnum()
```

```
True
```

```
a = ""  
a.isspace()
```

```
False
```

```
a = "anjali"  
a.islower()
```

```
True
```

```
a = "ANJLAI"  
a.isupper()
```

True

```
a = "anjagirathod@gmail.com"
a.endswith("gmail.com")
```

True

```
a = "the sun rises in the east"
a.startswith("the")
```

True

```
a = ["the", "sun"]
for i in a:
    print(i.isupper())
```

False

False

```
a = ["the", "SUN"]
for i in a:
    print(i.islower())
```

True

False

```
#count the number of capital letters and small letters in the given string
x = "AnjalI"
print(lower.len(x))
```

```
-----
--
NameError                                Traceback (most recent call
last)
<ipython-input-138-337b2bec7626> in <module>()
      1 #count the number of capital letters and small letters in the
given string
      2 x = "AnjalI"
----> 3 print(lower.len(x))

NameError: name 'lower' is not defined
```

```
a = 'nerFEherWgW'
u = []
l = []
lower = list(range(97,123))
upper = list(range(65,91))
```

```
for ch in a:
    if ord(ch) in lower:
        l.append(ch)

    else:
        u.append(ch)
print(u)
print(l)
```

#Reverse words in a given String in Python

```
s="Hi I am Anjali"
print(" ".join(s.split(" ")[::-1]))
```

```
a = 'word'
a[::-1]
```

```
a='thisisalongword'
a[2:6:2]
```

```
a=[1,2,3]
print("".join([str(x) for x in a]))
```

#5. Ways to remove i'th character from string in Python

```
a = 'ag43wrg'
i = 4
ans = a[:i]+a[i+1:]
print(ans)
```

