INPUT

```
#WAP to input a string check whether it is palindrome number or not(Ripunjay,Manasvi)
s = input("Enter a Word : ")
n = s[::-1]
if s == n :
    print(s,"IS A PALINDROME")
else:
    print(s,"IS NOT A PALINDROME")
```

OUTPUT

```
Enter a Word : Manasvi
Manasvi IS NOT A PALINDROME

Enter a Word : RAR
RAR IS A PALINDROME
```

INPUT

#WAP to a input a string and print number of upper and lower case vowels(Ripunjay,Manasvi)

```python
s = input("Enter a Word : ")
uc = lc = 0
for i in s:
    if i in"AEIOU":
        uc +=1
    elif i in "aeiou":
        lc+=1
print("Number of upper case vowels in",s,"=",uc)
print("Number of lower case vowels in",s,"=",lc)
```

OUTPUT

Enter a Word : Python is a Easy language
Number of upper case vowels in Python is a Easy language = 1
Number of lower case vowels in Python is a Easy language = 8

INPUT

```
#WAP to input a string, capitalize every alternate character in a string(Ripunjay,Manasvi)
s =input("enter a word : ")
length = len(s)
r =" "
for i in range(0,length,2):
    r += s[i]
    if i < (length - 1):
        r +=s[i+1].upper()
print("new word: ",r)
```

OUTPUT

```
enter a word : wonderful
new word:   wOnDeRfUl
```

INPUT

```
#WAP to input a string, find number of occurrences of a given substring in a
line(Ripunjay,Manasvi)
s = input("enter a phrase: ")
n = input("enter a word from the phrase: ")
length1 = len(s)
length2 = len(n)
start = count = 0
end = length1
while True:
    pos = s.find(n,start,end)
    if pos!= 1:
        count += 1
        start = pos+length2
    else:
         break
    if start>=length1:
         break
print("no. of occurences of",n,":",count)
```

OUTPUT

```
enter a phrase: The CEO of google is sundar pichai
enter a word from the phrase: i
no. of occurences of i : 3
```

INPUT

#WAP to input a string and print in the reverse and decreasing order(Ripunjay,Manasvi)

```python
s = input("Enter a Word : ")
r = " "
n = s[::1]
for i in n:
    r += i
    print(r)
```

OUTPUT

Enter a Word : hello
 h
 he
 hel
 hell
 hello