##2 CHARACTER FREQUENCY COUNT

str=input("Enter the string: ")

#list

l=list(str)

f=[l.count(ele)for ele in l]

print(f)

d=dict(zip(l,f))

print(d)

##4 SWAP FIRST TWO CHARACTERS

str1="abc"

str2="xyz"

#

x,y=(str1),(str2)

print(x,y)

x,y=y,x

print(x,y)

##7REMOVE CHARACTERS AT ODD INDICIES

str1=input("Enter the string")

def odd\_sttring(string):

    res=""

    for i in range(len(string)):

        if i%2==0:

            res+=string[i]

    return res

print(odd\_sttring("Something"))

##10 REVERSE A STRING

w=input("Enter a string: ")

for word in w.split():

    print(word[::-1],end="  ")

##12 REVERSE WORDS IN A STRING

str='Hello World'

words=str.split(" ")

print(words)

words=words[-1::-1]

print(words)

##16 SUM OF DIGITS IN A STRING

A="Hello 1234"

sum=0

for i in A :

    if i.isdigit():

        sum=sum+int(i)

print(sum)

##18 COUNT CHARACTER SHAPES

str=input("Enter the string: ")

lower=0

upper=0

digit=0

special=0

for character in str:

    if character.islower():

        lower=lower+1

    elif character.isupper():

        upper=upper+1

    elif character.isdigit():

        digit=digit+1

    else:

        special=special+1

print("lowercase: ", lower)

print("uppercase: ", upper)

print("numerical value: ", digit)

print("special: ", special)

##9 CONVERT UPPERCASE TO LOWERCASE

string=input("Enter a string in capital letters: ")

print(string.lower())

##13 COUNT AND DISPLAY VOWELS

TEXT=input("Enter the text: ")

vowels="AEIOUaeiou"

count=len([letter for letter in TEXT if letter in vowels])

display=set([letter for letter in TEXT if letter in vowels])

print("Count of vowels in text is ", count)

print("vowels in text are ", display)

##21 SWAP CHARACTER CASES

STR=input("Enter text: ")

res=STR.swapcase()

print(res)