1)Products using quadratic equation using quadratic formula

* Start
* Take input as three variables as a,b and c
* Set if condition if input value is a=0 print an error message
* Set else condition in else condition set an formula (-b ± √ (b2 - 4ac) )/2a store it is in another variable ans like this ans=(-b + √ (b2 - 4ac) )/2a

ans1=(-b - √ (b2 - 4ac) )/2a

* Inside the else condition write an if condition then convert the ans to string then write a condition

(if j in ans or ans1) the print an error message else print the ans and ans1

* Stop

2)v=input("Enter the String")

lis\_of\_v=v.split(" ")

lis1=[]

# lis1=[i.lower() for i in lis\_of\_v]

countedlis=[]

cklist=[]

cslist=[]

templis=[]

for i in lis\_of\_v:

lis1.append(i.lower())

for i in lis1:

countedlis.append(lis1.count(i))

for j in range(len(lis\_of\_v)):

if lis\_of\_v[j].lower() not in templis:

templis.append(lis\_of\_v[j].lower())

cklist.append(lis\_of\_v[j])

cslist.append(countedlis[j])

for i in range(len(cklist)):

print(cklist[i],cslist[i])

3)v=input("enter the string")

countOfLetters=0

countOfDigits=0

for i in v:

if i.isalpha():

countOfLetters+=1

elif i.isdigit():

countOfDigits+=1

print("count of Letters",countOfLetters)

print("count of numbers",countOfDigits

4)v=input("enter the string")

specialchar="[~!@`#$%^&\*()-\_{}><]"

count=0

count1=0

count2=0

if(len(v)>=6 and len(v)<=12):

if re.match("[A-Z]",v):

for i in v:

if i in specialchar:

count+=1

elif i.isdigit():

count1+=1

elif i.islower():

count2+=1

if count>0 and count1>0 and count2>0:

print("it is valid")

5)theString=input("Enter the string")

target=input("enter the target")

listthestring=theString.split(" ")

count=0

for i in range(len(listthestring)):

if listthestring[i]==target:

print(f"The position of {target} is in",i)

count+=1

if count=0:

print("String is not present")