1.write a function which will try to find out length of a string using an inbuilt function

2.write a function which will able to print an index of list element without using index function

3.write a function which will be able to print an ip address of your system.

4.write a function which will shutdown your system.

5.write a function which will take input as a list with any kind of numeric value and give an out as a multiplication of all

the numeric data l = [3.5,6.56,4,5,"wagh","ineuron",'fsda bootcamp 2.0']

6. write a function which will able to read all mails

7. write a function which will be able to send a mail to anyone

8.write a function which will able to read a doc/word file from your system.

1.

In [4]:
```
def test(s):
    count = 0
    for i in s:
        if type(i) == str :
            count = count +1
    return count
```

In [5]:
```
test("Kirti")
```

Out[5]:
```
5
```

2.

In [6]:
```
l = [1,2,3,4,"Kirti","ineuron"]
```

In [7]:
```
def test1(li):
    for i in range(0,len(li)):
        print(li[i] , ":" , i)
```

In [8]:
```
test(l)
```

Out[8]:
```
2
```

3.

In [10]:
```
import socket
socket.gethostbyname(socket.gethostname())
```

Out[10]:
```
'192.168.43.67'
```

In [11]:
```
import socket
def test2():
    ip = socket.gethostbyname(socket.gethostname())
    return ip
```

In [12]:
```
test2()
```

Out[12]:
```
'192.168.43.67'
```

4.

In [ ]:
```
import os
os.system("shutdown /s /t 4")      # shutdown a system after 4 sec
# /s - shutdown
# /r - restart
#/t 1 - timer
```

5.

In [4]:
```
l = [3.5, 6.56, 4, 5, "Kirti", "ineuron", 'fsda bootcamp 2.0']
def test3(l):
    mul =1
    for i in l :
        if type(i) == int or type(i) == float :
            mul = mul *i
    return mul
```

In [5]:
```
test3(l)
```

Out[5]:
```
459.19999999999993
```

6.

In [ ]:
```

```

7.

In [9]:
```
import smtplib , ssl
port = 465 # For SSL
                "smtp.gmail.com"
```

```
sender_email = "kirtipopat09@gmail.com"     #Enter your address
receiver_email = "kirtiwagh09@gmail.com"     #Enter receiver address
#passwoed = 'rlplfdscaiaruagan'
password = 'hzcvnzffhxtxqmzt'
message = """this is my message from python code"""

context = ssl.create_default_context()
with smtplib.SMTP_SSL(smtp_server,port,context = context) as server:
    server.login(sender_email, password)
    server.sendmail(sender_email, receiver_email, message)
```

8.

In [24]:
```
import docx2txt
```

In [25]:
```
!pip install docx2txt
```

```
Requirement already satisfied: docx2txt in c:\users\dell\anaconda3\lib\site-packages (0.8)
```

In [32]:
```
a = docx2txt.process('test.docx')
print(a)
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_22184/1558909147.py in <module>
----> 1 a = docx2txt.process('test.docx')
      2 print(a)

~\anaconda3\lib\site-packages\docx2txt\docx2txt.py in process(docx, img_dir)
     74
     75     # unzip the docx in memory
---> 76     zipf = zipfile.ZipFile(docx)
     77     filelist = zipf.namelist()
     78

~\anaconda3\lib\zipfile.py in __init__(self, file, mode, compression, allowZip64, compress
level, strict_timestamps)
   1237             while True:
   1238                 try:
-> 1239                     self.fp = io.open(file, filemode)
   1240                 except OSError:
   1241                     if filemode in modeDict:

FileNotFoundError: [Errno 2] No such file or directory: 'test.docx'
```

In [34]:
```
import smtplib , ssl

port = 465  # For SSL

smtp_server = "smtp.gmail.com"

sender_email = "kirtipopat09@gmail.com"  # Enter your address

receiver_email = "kirtiwagh09@gmail.com"  # Enter receiver address

password = 'rlplfdcsoiqruagn'

message = """this is my message from python code in my live class"""
```

```
context = ssl.create_default_context()
with smtplib.SMTP_SSL(smtp_server, port, context=context) as server:
    server.login(sender_email, password)
    server.sendmail(sender_email, receiver_email, message)


import smtplib
import time
import imaplib
import email
import traceback
ORG_EMAIL = "kirtipopat09@gmail.com"
FROM_EMAIL = 'kirtiwagh09@gmail.com'
FROM_PWD = 'ridnchizikjczggv'
SMTP_SERVER = "imap.gmail.com"
SMTP_PORT = 993
imaplib._MAXLINE = 400000000

def read_email_from_gmail():
    try:
        mail = imaplib.IMAP4_SSL(SMTP_SERVER)
        mail.login(FROM_EMAIL,FROM_PWD)
        mail.select('inbox')

        data = mail.search(None, 'ALL')
        mail_ids = data[1]
        id_list = mail_ids[0].split()
        first_email_id = int(id_list[0])
        latest_email_id = int(id_list[-1])

        for i in range(latest_email_id,first_email_id, -1):
            data = mail.fetch(str(i), '(RFC822)' )
```

```
            for response_part in data:

                arr = response_part[0]

                if isinstance(arr, tuple):

                    msg = email.message_from_string(str(arr[1],'utf-8'))

                    email_subject = msg['subject']

                    email_from = msg['from']

                    print('From : ' + email_from + '\n')

                    print('Subject : ' + email_subject + '\n')


    except Exception as e:

        traceback.print_exc()

        print(str(e))


read_email_from_gmail()
```

```
---------------------------------------------------------------------------
SMTPAuthenticationError                   Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_22184/3234446188.py in <module>
     19 with smtplib.SMTP_SSL(smtp_server, port, context=context) as server:
     20
---> 21     server.login(sender_email, password)
     22
     23     server.sendmail(sender_email, receiver_email, message)

~\anaconda3\lib\smtplib.py in login(self, user, password, initial_response_ok)
    748
    749         # We could not login successfully.  Return result of last attempt.
--> 750         raise last_exception
    751
    752     def starttls(self, keyfile=None, certfile=None, context=None):

~\anaconda3\lib\smtplib.py in login(self, user, password, initial_response_ok)
    737             method_name = 'auth_' + authmethod.lower().replace('-', '_')
    738             try:
--> 739                 (code, resp) = self.auth(
    740                     authmethod, getattr(self, method_name),
    741                     initial_response_ok=initial_response_ok)

~\anaconda3\lib\smtplib.py in auth(self, mechanism, authobject, initial_response_ok)
    660         if code in (235, 503):
    661             return (code, resp)
--> 662         raise SMTPAuthenticationError(code, resp)
    663
    664     def auth_cram_md5(self, challenge=None):

SMTPAuthenticationError: (535, b'5.7.8 Username and Password not accepted. Learn more at\n
5.7.8  https://support.google.com/mail/?p=BadCredentials s11-20020a170902a50b00b00186b86ed
450sm1493406plq.156 - gsmtp')
```

In [ ]:

```
ls
```

In [ ]: