Real time application of python with the help of 3 to 4 line code and importing modules: Try to excute at your system

In [4]:
```
#write a code to get a time of your system
import time
def c_time():
    print(time.ctime())
c_time()
```

```
Sun Jun 12 16:16:51 2022
```

In [3]:
```
# Write a code to fetch date form your system
import datetime
datetime.date.today()
```

Out[3]:
```
datetime.date(2022, 6, 12)
```

In [ ]:
```
#Write a code to send a mail to your friend

import smtplib#simple mail transfer protocol
s=smtplib.SMTP('smtp.gmail.com')
s.starttls()#start transfer level secure
s.login("Write sender (yours) email id" ,'Generate a app password from your gmail setting-#llkutfzxjjyxvzzmu')
msg="hi this is my 1st message"#You can write any message
s.sendmail("Mention sender(yours) email id","Mention reciever mail id",msg)#mention the respective mail id and pass the message
s.quit()
```

In [ ]:
```
#write a code to trigger alarm for you at scheduled time
import datetime
alarmhour=int(input("hour:"))
alarmminute=int(input("minute:"))
amPm=str(input("am or pm"))
if amPm=='pm':
    alarmhour=alarmhour+12
while (1==1):#This is just true statement
    if (alarmhour==datetime.datetime.now().hour and alarmminute==datetime.datetime.now().minute):
        print("wake up")
        break
```

In [ ]:
```
#Wrie a code to check ip address of your system
import socket
my_com = socket.gethostname()
IPAddr = socket.gethostbyname(my_com)
print("Your Computer Name is:" ,my_com)
print("Your Computer IP Address is:" , IPAddr)
```

In [ ]:
```
#Write a code to search the particular installation in your system
!pip install winapps#if not installed then install the winapps and execute it
import winapps
list(winapps.list_installed())
```

In [ ]:
```
#Write a code to convert any text in to voice
import pyttsx3
text_speech=pyttsx3.init()
speech=input("what you want to convert into speech:")
text_speech.say(speech)
text_speech.runAndWait()
```

In [ ]:
```
# Write a function which will would return list of all the file name from a directory .
import os
for file in os.listdir('here mention your path like executing-pwd()'):
    if file.endswith(".ipynb"):#you can give any extension
        print(os.path.join('mention same path as previously mention-pwd() ', file))#mention the path, file
```

In [ ]:
```
#write a function which will be able to shutdonw your system .
import os

shutdown = input("Do you wish to shutdown your computer ? (yes / no): ")

if shutdown == 'no':
    exit()
else:
    os.system("shutdown")
```