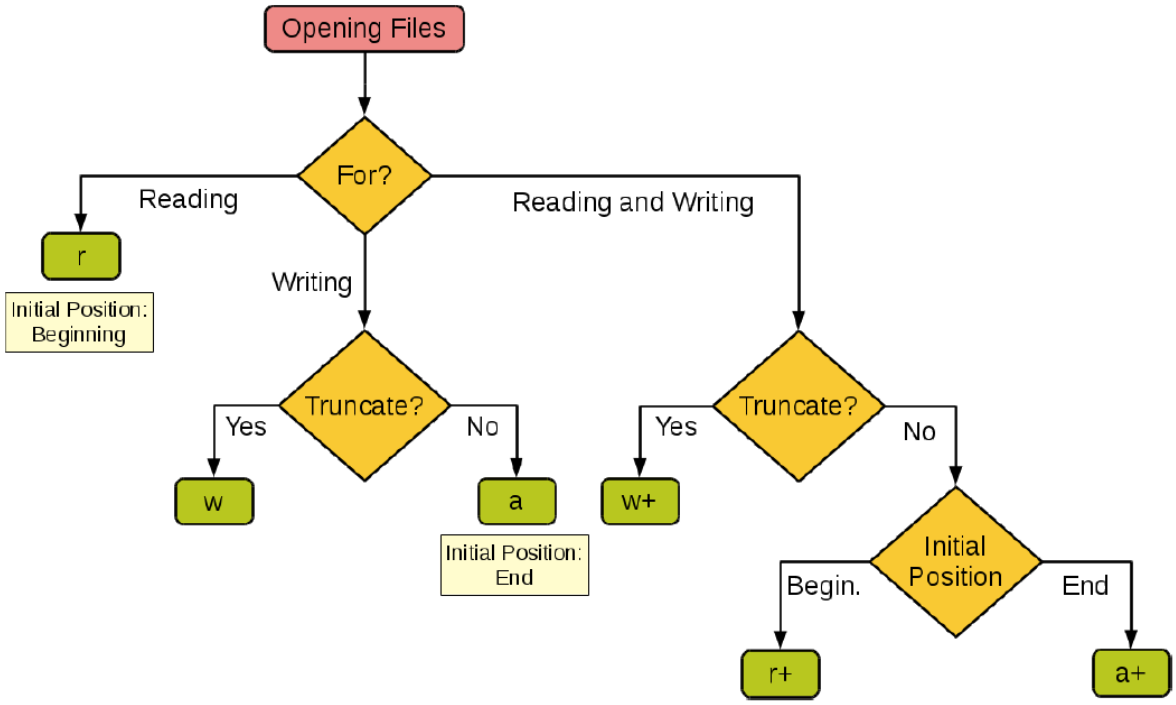
File Handling in Python

	r	r+	w	w+	a	a+
read	+	+		+		+
write		+	+	+	+	+
create			+	+	+	+
truncate			+	+		
position at start	+	+	+	+		
position at end					+	+




```
b=open('new2.txt','w+')

for i in range(0,10):
  t='aloo'+str(i)
  b.write(t)
  print(t)
for j in b:
  print(j)
```

Output: Working well

```
b=open('new2.txt','w')

for i in range(0,10):
  t='aloo'+str(i)
  b.write(t)
  print(t)
for j in b:
  print(j)
```

it will throw an error

Write a program to find out the maximum in the given file

```
b=open('readme.txt','r+')
max1=0
for i in b:
  c=i.split(' ')
  for j in c:
    print(j)
    if int(j)>max1:
      max1=int(j)

print(max1)

c='5\n'
print(int(c))
```

Readme.txt

1 2 3
5 10 20
9 10

```
Output : 1
2
3

5
10
20

9
10
20
```

```
5
```

2. When alphabets are also there in the file

```
b=open('readme.txt','r+')
max1=0
for i in b:
  c=i.split(' ')
  for j in c:
    print(j)
    try:
      if int(j)>max1:
        max1=int(j)
    except:
      print('only numerical values are allowed')

print(max1)
```

readme.txt

```
1 2 3
5 a 20
9 10
```

```
Output: 1
2
3

5
a
only numerical values are allowed
20

9
10
20
```

```
with open('readme.txt','r+') as b:
  max1=0
  for i in b:
    c=i.split(' ')
    for j in c:
      try:
        if int(j)>max1:
          max1=int(j)
      except:
        print('only numerical values are allowed')
```

```
  d='maximum value is'+' '+str(max1)
  b.write(d)
  for j in b:
    print(j)
```

```
only numerical values are allowed
only numerical values are allowed
only numerical values are allowed
only numerical values are allowed
```

6. Count the frequency of each word in the given file.

```
with open('readme.txt','r+') as b:
  max1=0
  rahul={}
  for i in b:
    c=i.split(' ')
    for j in c:

      if j[len(j)-1:]=='\n':
          j=j[:len(j)-1]
      if j not in rahul:
        rahul[j]=1
      else:
        rahul[j]=rahul[j]+1

print(rahul)
```

7.

```
  with open('readme.txt','r+') as b:

  max1=0
  rahul={}
  for i in b:
    c=i.split(' ')
    for j in c:

      if j[len(j)-1:]=='\n':
          j=j[:len(j)-1]
      if j not in rahul:
        rahul[j]=1
      else:
        rahul[j]=rahul[j]+1

  print(rahul)
  for d in rahul:
    ee=d+str(rahul[d])+'\n'
    b.write(ee)
```