```
ex1:
----
wap to read the data from the file?

        sample.txt
        -----------
hello siva


f1=open('sample.txt') #Opening a file
print(f1.read()) #to perform the operation on the file
f1.close() # to close the file

output:
------
hello siva


ex2:
----
f1=open('sample.txt')
x=f1.read()
print(x)
print(f1.name)
print(f1.mode)
print(f1.closed)
f1.close()
print(f1.closed)

output:
------
hello siva
sample.txt
r
False
True

ex3:
----
wap to to write the data into the file by using 'w' mode,if file already existed?

        sample.txt
        -----------
hello siva


f1=open('sample.txt','w')
f1.write("welcome to Vagdevi and entri App")
f1.close()
```

```
output:
------
        sample.txt
        -----------
welcome to Vagdevi and entri App

ex4:
----
wap to to write the data into the file by using 'w' mode,if file does not existed?

f1=open('sample1.txt','w')
f1.write("hello world")
f1.close()

        sample1.txt
        -----------
hello world

ex5:
----
wap to write the data into the file by using 'a' mode,if file already existed?

        sample1.txt
        -----------
hello world

f1=open('sample1.txt','a')
f1.write("welcome to Vagdevi")
f1.close()

output:
------
        sample1.txt
        -----------
hello worldwelcome to Vagdevi

ex6:
----
wap to write the data into the file by using 'a' mode,if file doesnot existed?

f1=open('sample2.txt','a')
f1.write("welcome to Vagdevi")
f1.close()

output
-----
        sample2.txt
        ----------
welcome to Vagdevi
```

ex7:
---
wap to write the data into the file by using 'x' mode,if file already existed?

```
        sample2.txt
        ----------
welcome to Vagdevi


f1=open('sample2.txt','x')
f1.write("welcome to Vagdevi")
f1.close()
```

output:

FileExistsError: [Errno 17] File exists: 'sample2.txt'

ex8:
---
wap to write the data into the file by using 'x' mode,if file does not existed?

```
f1=open('sample3.txt','x')
f1.write("hello siva")
f1.close()
```

output

```
        sample3.txt
        -----------
hello siva
```

ex9:
---
wap to write the data into the file?

```
f1=open('E:\\krishna\\siva\\sample3.txt','w')
f1.write("hello siva")
f1.close()
```

output:

```
        E:\\krishna\\siva\\sample3.txt
        -----------------------------
hello siva
```

ex10:
----
wap to read the data from the file?

```
        E:\\krishna\\siva\\sample3.txt
        -------------------------------
hello siva

f1=open('E:/krishna/siva/sample3.txt')
print(f1.read())
f1.close()

output:
------
hello siva
```

by using 'with' statement:

        'with' is a keyword in python,whenever we are opening a file's by using
'with' keyword in that case dont required to close the file manually,internally
that files are closeing automatically.

ex11:
---
wap to write the data into the file directly?

```
f1=open('sample4.txt','w')
f1.write("hello siva krishna")
```

output:

```
        sample4.txt
        -----------
empty file is created(dont writeing anything)
```

ex12:
----
wap to write the data into the file by using 'with' keyword?

```
with open('sample5.txt','w') as f1:
    f1.write("hello siva krishna")
```

output:

```
        sample5.txt
        ----------
hello siva krishna
```


what file-pointer?
----
        whenever we are opening a file one cursor is blinking that cursor is called
file-pointer.

by default,the file-pointer locating at '0' indexing.

ex13:
----
        sample1.txt
        ----
hello worldwelcome to Vagdevi


```
with open('sample1.txt') as f1:
    print(f1.tell())
    print(f1.read(5))
    print(f1.tell())
    print(f1.read(7))
    print(f1.tell())
    f1.seek(7)
    print(f1.read(5))
    f1.seek(15)
    print(f1.read(3))
    print(f1.tell())
```

output:

0
hello
5
 worldw
12
orldw
ome
18

ex14:
---
wap to read the line from the file?

        sample1.txt
        ----
hello world
welcome to
Vagdevi technologies


```
with open('sample1.txt') as f1:
    print(f1.readline())
```

output:
------
hello world

```
ex15:
----
wap to read all the lines from the file?

        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies


with open('sample1.txt') as f1:
    print(f1.readlines())

output:
-------
['hello world\n', 'welcome to \n', 'Vagdevi technologies']

ex16:
----
wap to read N'th charecter from the file?

        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies


M=int(input("enter M'th Row: "))
N=int(input("enter N'th charecter: "))
with open('sample1.txt') as f1:
    x=f1.readlines()
    print(x[M-1][N-1])

output:
------
enter M'th Row: 2
enter N'th charecter: 5
o

ex17:
---
wap to return the no.of lines in a file?

        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies
```

```
with open('sample1.txt') as f1:
    print(len(f1.readlines()))
```

output:

3

ex18:
----
wap to return the no.of words in a file?

        sample1.txt
        ----
hello world
welcome to
Vagdevi technologies

```
with open('sample1.txt') as f1:
    print(len(f1.read().split()))
```

output:

6

ex19:
----
wap to return the no.of charecters in a file?

        sample1.txt
        ----
hello world
welcome to
Vagdevi technologies

```
with open('sample1.txt') as f1:
    print(len(f1.read()))
```

output:

44

ex20:
----
wap to write the multiple lines into the file?

        sample6.txt

```
with open('sample6.txt','w') as f1:
```

```
    f1.write("hai\nsiva krishna\ngood afternoon")
```

output:
------
        sample6.txt
        ----
hai
siva krishna
good afternoon

ex21:
----
wap to write the multiple lines into the file?

```
with open('sample7.txt','w') as f1:
    f1.writelines(["hai\n","siva krishna\n","good afternoon"])
```

output
------
        sample7.txt
        ----
hai
siva krishna
good afternoon

ex22:
----
wap to copy the data from one file to another file?

        sample7.txt
        ----
hai
siva krishna
good afternoon


```
with open('sample7_copy.txt','w') as f1:
    with open('sample7.txt') as f2:
        f1.write(f2.read())
```

output:
------
        sample7_copy.txt
        ----
hai
siva krishna
good afternoon

ex23:
---

wap to append the data from one file to another file?

```
        sample6.txt
        -----------
hai
siva krishna
good afternoon

        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies


with open('sample1.txt','a') as f1:
    with open('sample6.txt') as f2:
        f1.write('\n')
        f1.write(f2.read())
```

output:

```
        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies
hai
siva krishna
good afternoon
```


ex24:
----
wap to return no.of occurencess of given charecter in a file?

```
        sample1.txt
        -----------
hello world
welcome to
Vagdevi technologies
hai
siva krishna
good afternoon
```

```
ch=input("enter your charecter: ")
with open('sample1.txt') as f1:
    print(f1.read().count(ch))
```

output:

```
-------
enter your charecter: o
10

enter your charecter: l
5

enter your charecter: h
4
```