various file properties

In [1]:
```
f=open("shiv.txt",'w')
```

In [2]:
```
print("file name ",f.name)
```

```
file name  shiv.txt
```

In [3]:
```
print("file mode",f.mode)
```

```
file mode w
```

In [4]:
```
print("is file writable",f.writable())
```

```
is file writable True
```

In [5]:
```
print("is file readable",f.readable())
```

```
is file readable False
```

In [6]:
```
f.close()
```

In [7]:
```
print("is file closed:",f.closed)
```

```
is file closed: True
```

writing data to text file

In [10]:
```
f=open("shiv.txt",'w')
f.write("hi there,\n")    # 'w' in write mode overwrite data
f.write("im shivraj\n")   # blinking coursor first position

f.write("we are learning file handling\n")
print("data written to file sucessfully")
```

```
data written to file sucessfully
```

In [15]:
```
f=open("shiv.txt",'a')  #  f.writelines()
list=['sunny\n',"bunny\n","vinny\n","chinny\n"]
f.writelines(list)
print("list of lines written to file the sucessfully")
f.close()
```

```
list of lines written to file the sucessfully
```

reading data from text files:

In [16]:
```
f=open("shiv.txt",'r')
data=f.read()
print(data)
f.close()
```

```
hi there,
im shivraj
we are learning file handling
sunny
bunny
vinny
chinny
```

To read only first 10 characters:

In [23]:
```
f=open("shiv.txt",'r')
data=f.read(10)
print(data)
f.close()
```

```
hi there,
```

to read data line by line

In [32]:
```
f=open("shiv.txt",'r')
line=f.readline()
print(line,end='')
```

```
hi there,
```

In [33]:
```
line2=f.readline()
print(line2,end='')
```

```
im shivraj
```

In [44]:
```
f=open("shiv.txt",'r')
lines=f.readlines()
for line in lines:
    print(line,end="")
f.close()
```

```
hi there,
im shivraj
we are learning file handling
sunny
bunny
vinny
chinny
```

In [5]:
```
f= open("shiv.txt",'a') #append  blinking cursor ending point
f.write(' where are you from?')
f.close()
```

In [9]:
```
f= open("shivraj111.txt",'x')
f.write('hello this is new file welcome here')
f.close()
```

how to copy text one file to new file file

In [20]:
```
f1=open("shiv.txt",'r')
f2=open("shiv1.txt",'w')
```

```
data=f1.read()
f2.write(data)
f1.close()
f2.close()
```

with statment in file handling

no need to file close file are autometically close

In [33]:
```
with open("shiv.txt")as f:
    data=f.read()
    print(data)
print(f.closed)
```

```
hi there,
im shivraj
we are learning file handling
asjawufgqiqhfw
True
```

tell() method poition count with zero

In [36]:
```
f= open("shiv.txt",'r')
print(f.tell())
data1= f.read(10)
print(data1)
print(f.tell())
```

```
0
hi there,

11
```

In [38]:
```
f= open("shiv.txt",'r')
data1= f.read(10)
print(data1)
print(f.tell())
```

```
hi there,

11
```

In [39]:
```
f= open("shiv.txt",'r')
f.seek(5)
print(f.tell())
```

```
5
```

In [8]:
```
with open("shiv1.txt",'r+') as f:
    text=f.read()
    print(text)
    print("the cursor position",f.tell())
    f.seek(10)
    print("current position of corsor",f.tell())
    f.write("fantastic")
    f.seek(0)
    print(text)
```

```
python is fantastic
the cursor position 19
current position of corsor 10
python is fantastic
```

In [24]:
```
with open("shiv1.txt",'r+') as f:
    text= f.read()
    print(text)
    print (f.tell())
    f.seek(10)
    print (f.tell())
    f.write("fantastic!!")
    f.seek(0)
    print(text)
```

```
python is fantastic!!
21
10
python is fantastic!!
```

In [ ]:

In [ ]: