In [ ]:	Two Important functions related to File handling 1.tell() 2.seek()
In [ ]:	Explaination of tell Function() tell functions> we can use tell() to <b>return</b> the current position of the cursor(file pointer) <b>from</b> the begining of the file. The Starting pointer will always 0
In [3]:	<pre>#Example to Demostrate Tell Function f=open("abc.txt","r") print(f.tell()) # print(f.read(4)) print(f.tell()) print(f.tell()) print(f.tell()) f.close()</pre>
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In [ ]:	Explaination of seek Function() seek function is used to move our cursor(file pointer)
In [13]:	<pre>#Example to Demonstrate seek Functions() f=open("abc.txt","r+") text = f.read() #print(text) print("Current pointer is",f.tell()) f.seek(97) print("Current pointer is",f.tell()) f.read()</pre> Current pointer is 123
Out[13]:	Current pointer is 97 'File handling is very easy'
In [15]:	<pre>#Nested Functions&gt; Functions inside functions  def add(x,y):     def sub(x,y):         return x-y     return x+y print(sub(10,20))</pre>
	NameError  Input In [15], in <cell 6="" line:="">()  4     return x-y  5     return x+y &gt; 6 print(sub(10,20))  NameError: name 'sub' is not defined</cell>
In [30]:	<pre>def outer():     print("Outer function executed") #1</pre>
	<pre>def inner():     print("Inner Function executed") #3  print("Outer function calling inner function") #2     return inner  f1=outer()</pre>
In [29]:	Outer function executed Outer function calling inner function  def outer():
111 [20].	<pre>def inner():     print("Outer function executed") #3  print("Outer function calling inner function") #2     inner()</pre> fl=outer()
In [31]:	Outer function executed Outer function calling inner function Inner Function executed  def add(a,b):     def sub(c,d):         return c-d     return sub(a,b)     return a res=add(5,10) print(res)
In [34]:	-5  def div(a,b,c):
	<pre>def mul(c,d,e):     return c*d*e     return mul(a,b,c)     return a res=div(5,10,9) print(res)</pre>
In [37]:	<pre>#Variable length Arguments def add(*args):     print(type(args))     print(args) print(add(10,20,30,40)) #If we have single star then we can only pass positional argument <class 'tuple'=""> (10, 20, 30, 40)</class></pre>
In [42]:	#Variable length Arguments  def add(**args):     print(type(args))     print(args)     for k,v in args.items():         print(k,v)     print(add(n1=10,n2=20,n3=30,n4=40)) #If we want to pass key value pair(keyword argument) then we need to give ** <class 'dict'=""> {'n1': 10, 'n2': 20, 'n3': 30, 'n4': 40} n1 10 n2 20 n3 30 n4 40 None</class>
In [50]:	<pre>#sort vs sorted x=[10,200,125,40,50,60,70] y=x.sort(reverse=True) print(y) print(id(y)) print(id(x)) print(x) #Note&gt; if you are using sort function then the sorting will be done on the original list</pre> None
	140713129385176 1887457523072 [200, 125, 70, 60, 50, 40, 10]
In [51]:	<pre>x=[10,200,125,40,50,60,70] print(id(x)) #12345 y=sorted(x,reverse=True) #[10,40,50,60,70,125.200] print(y) #[10,40,50,60,70,125.200] print(id(x)) #different print(x) #unsorted print(id(y)) #Note&gt; if you are using sort function then the sorting will be done on the original list  1887457459712 [200, 125, 70, 60, 50, 40, 10] 1887457459712</pre>
In [52]:	<pre>[10, 200, 125, 40, 50, 60, 70] 1887457273984  #global vs local x=200 def add():     print(x)</pre>
	<pre>x=300 add() #Note: You cannot access the value before assignment if you will try then you will get an error  UnboundLocalError</pre>
In [80]:	<pre>UnboundLocalError: local variable 'x' referenced before assignment  x=10 def add():     x=x+10#Error     print(x) add() print(x) #Note&gt; you cannot modify the global variable inside the function.</pre>
	<pre>#Note&gt; you cannot modify the global variable inside the function.  UnboundLocalError</pre>
	<pre>Input In [80], in add()         2 def add():&gt; 3</pre>
In [ ]:	UnboundLocalError: local variable 'x' referenced before assignment