In [10]:
```
f=open('C:\\data\\funny.txt','w')
f.write('ilove python')
f.close()
```

In [11]:
```
f=open('C:\\data\\funny.txt','a')
f.write('\nilove python')
f.close()
```

In [12]:
```
f=open('C:\\data\\para.txt','w')
f.write("A well-organized paragraph supports or develops a single controlling idea,\nwhich is expressed in a sentence called the topic sentence.\nA topic sentence has several important functions:\nit substantiates or supports an essay's thesis statement;")
f.close()
```

In [13]:
```
f=open('C:\\data\\para.txt','r')
print(f.read())
f.close()
```

```
A well-organized paragraph supports or develops a single controlling idea,
which is expressed in a sentence called the topic sentence.
A topic sentence has several important functions:
it substantiates or supports an essay's thesis statement;
```

In [15]:
```
f=open('C:\\data\\para.txt','r')
for line in f:
    print(line)
```

```
A well-organized paragraph supports or develops a single controlling idea,

which is expressed in a sentence called the topic sentence.

A topic sentence has several important functions:

it substantiates or supports an essay's thesis statement;
```

In [18]:
```
f=open('C:\\data\\para.txt','r')
for line in f:
    tokens=line.split(' ')
    print(tokens)
    print(len(tokens))
```

```
['A', 'well-organized', 'paragraph', 'supports', 'or', 'develops', 'a', 'single', 'controlling', 'idea,\n']
10
['which', 'is', 'expressed', 'in', 'a', 'sentence', 'called', 'the', 'topic', 'sentence.\n']
10
['A', 'topic', 'sentence', 'has', 'several', 'important', 'functions:\n']
7
['it', 'substantiates', 'or', 'supports', 'an', 'essay's', 'thesis', 'statement;']
8
```

In [30]:
```
f=open('C:\\data\\para.txt','r')
f_1=open('C:\\data\\para_count.txt','w')
for line in f:
    tokens=line.split(' ')
    f_1.write("worcount:"+str(len(tokens))+':'+line)
f.close()
f_1.close()
```

In [34]:
```
p=open('C:\\data\\para.txt','r+')
print(p.read())
p.close()
```

```
A well-organized paragraph supports or develops a single controlling idea,
which is expressed in a sentence called the topic sentence.
A topic sentence has several important functions:
it substantiates or supports an essay's thesis statement;
```

In [36]:
```
p=open('C:\\data\\pa.txt','r+')
print(p.write())
p.close()
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
<ipython-input-36-ca46ebcaf2a4> in <module>
----> 1 p=open('C:\\data\\pa.txt','r+')
      2 print(p.write())
      3 p.close()

FileNotFoundError: [Errno 2] No such file or directory: 'C:\\data\\pa.txt'
```

In [39]:
```
p=open('C:\\data\\pa.txt','w+')
print(p.write("gowtham , raghul is studying python "))
p.close()
```

```
36
```

In [40]:
```
with open('C:\\data\\pa.txt','w') as y:
    y.write("\ngowtham and raghul studying")
```

In [44]:
```
with open('C:\\data\\pa.txt','r') as y:
    print(y.read())


print(y.closed)
```

```
gowtham and raghul studying
True
```

exception handling

In [57]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=int(x)/int(y)
except Exception as e:
    print("exception occured",e)
    z=None
print('division is',z)
```

```
enter the number1:4
enter the number2:0
exception occured division by zero
division is None
```

In [60]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=int(x)/int(y)
except ZeroDivisionError as e:
    print("exception division by zero")
    z=None
print('division is',z)
```

```
enter the number1:4
enter the number2:0
exception division by zero
division is None
```

In [61]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=x/int(y)
except ZeroDivisionError as e:
    print("exception division by zero")
    z=None
except Exception as d:
    print('exception type',type(d).__name__)
    z=None

print('division is',z)
```

```
enter the number1:44
enter the number2:4
exception type TypeError
division is None
```

In [67]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=x/int(y)
except ZeroDivisionError as e:
    print("exception division by zero")
    z=None
except TypeError as d:
    print('it is a type error')
    z=None

print('division is',z)
```

```
enter the number1:2
enter the number2:2
it is a type error
division is None
```

In [71]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=int(x)/int(y)
except ZeroDivisionError as e:
    print("exception division by zero")
    z=None
except Exception as y:
    print('exception type',type(y).__name__)
    z=None
except TypeError as d:
    print('it is a type error')
    z=None

print('division is',z)
```

```
enter the number1:ee
enter the number2:2
exception type ValueError
division is None
```

In [73]:
```
x=input("enter the number1:")
y=input("enter the number2:")
try:
    z=int(x)/int(y)
except ZeroDivisionError as e:
    print("exception division by zero")
    z=None
except ValueError as y:
    print('it is a value error')
    z=None
except TypeError as d:
    print('it is a type error')
    z=None

print('division is',z)
```

```
enter the number1:1
enter the number2:2
division is 0.5
```

In [ ]:

In [ ]: