Files

In [5]:
```
import os
```

In [6]:
```
os.makedirs('./tanuja',exist_ok=True)
```

In [7]:
```
'tanuja' in os.listdir('.')
```

Out[7]:
```
True
```

In [8]:
```
os.listdir('./tanuja')
```

Out[8]:
```
[]
```

In [9]:
```
import os
entries = os.listdir('tanuja/')
```

In [10]:
```
with os.scandir('tanuja/') as entries:
    for entry in entries:
        print(entry.name)
```

In [11]:
```
import os
f=open('C:\\Users\\TanujaNekkanti\\Documents\\Cursor2.txt','r')
print(f.read())
f.close()
```

```
DECLARE
num NUMBER;
CURSOR cname(no NUMBER) IS SELECT ename FROM employee WHERE deptno=no;
vcEname employee.ename%TYPE;
BEGIN
num:=&dno;
OPEN cname(num);
FETCH cname INTO vcEname;
DBMS_OUTPUT.PUT_LINE('List of employees who are working in department'||nu
m);
LOOP
DBMS_OUTPUT.PUT_LINE(vcEname);
FETCH cname INTO vcEname;
EXIT WHEN cname%NOTFOUND;
END LOOP;
END;
/

Enter value for dno: 10
```

In [7]:
```
import os
os.listdir('C:\\Users\\TanujaNekkanti\\Documents\\oracle sql')
```

Out[7]:
```
['Orcsql--Day1.txt',
 'SQL filters.txt',
 'sql(DDL -OPERATIONS).txt',
 'sql(joins).txt',
 'subquery.docx']
```

In [20]:
```
f=open('D:\\Daily Activities\\Day1\\NumericFunctions.txt','r')
print(f.read())
f.close()
```

```
SQL> SELECT ceil(24.567
  2  ;

*
ERROR at line 2:
ORA-00907: missing right parenthesis


SQL> SELECT ceil(24.567) FROM dual;

CEIL(24.567)
------------
          25

SQL> SELECT floor(24.567) FROM dual;

FLOOR(24.567)
-------------
           24

SQL> SELECT round(24.567) FROM dual;

ROUND(24.567)
-------------
           25

SQL> SELECT round(24.567,1) FROM dual;

ROUND(24.567,1)
---------------
           24.6

SQL> SELECT round(24.567,-1) FROM dual;

ROUND(24.567,-1)
----------------
              20

SQL> SELECT truncate(24.567,1) FROM dual;
SELECT truncate(24.567,1) FROM dual
       *
ERROR at line 1:
ORA-00904: "TRUNCATE": invalid identifier


SQL> SELECT trunc(24.567,1) FROM dual;

TRUNC(24.567,1)
---------------
           24.5
```

```
SQL> SELECT power(5,2) FROM dual;

POWER(5,2)
----------
        25

SQL> SELECT sqrt(16) FROM dual;

  SQRT(16)
----------
         4

SQL> SELECT mod(5,2) FROM dual;

  MOD(5,2)
----------
         1

SQL> SELECT ceil(sal) FROM employee;

 CEIL(SAL)
----------
      5100
      2850
      2450
      1600
      1250
      2975
      1250
      3000

8 rows selected.

SQL>
```

In [12]:
```
import os
f=open('C:\\Users\\TanujaNekkanti\\Documents\\Cursor2.txt','r')
print(f.read())
f.close()
```

```
DECLARE
num NUMBER;
CURSOR cname(no NUMBER) IS SELECT ename FROM employee WHERE deptno=no;
vcEname employee.ename%TYPE;
BEGIN
num:=&dno;
OPEN cname(num);
FETCH cname INTO vcEname;
DBMS_OUTPUT.PUT_LINE('List of employees who are working in department'||nu
m);
LOOP
DBMS_OUTPUT.PUT_LINE(vcEname);
FETCH cname INTO vcEname;
EXIT WHEN cname%NOTFOUND;
END LOOP;
END;
/

Enter value for dno: 10
```

In [22]:
```
import os
f=open("D:\\Daily Activities\\Day2\\Synonym.txt",'r')
print(f.read())
f.close()
```

```
SQL> SELECT ename FROM employee;

ENAME
----------
Test
king
blake
clark
allen
ward
jones
martin
scott

9 rows selected.

SQL> SELECT ename FROM username.employee;

ENAME
----------
Test
king
blake
clark
allen
ward
jones
martin
scott

9 rows selected.

SQL> CREATE SYNONYM emp FOR employee;

Synonym created.

SQL> SELECT ename FROM emp WHERE deptno=10;

ENAME
----------
king
blake
clark

SQL>SQL> DROP SYNONYM emp;

Synonym dropped.


SQL> CREATE PUBLIC SYNONYM test FOR employee;
```

```
Synonym created.

SQL> DROP PUBLIC SYNONYM test;

Synonym dropped.
```

In [1]:
```
f=open('C:\\Tanuja\\data.txt','w')
f.write("venkata sai")
f.close()
```

In [26]:
```
f=open('C:\\Tanuja\\data.txt','r')
print(f.read())
f.close()
```

```
venkata sai
```

In [7]:
```
f=open('C:\\Tanuja\\data.txt','a')
f.write('tanuja')
f.close()
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
C:\Users\TANUJA~1\AppData\Local\Temp/ipykernel_14584/2048613851.py in <module>
      1 f=open('C:\\Tanuja\\data.txt','a')
      2 f.write('tanuja')
----> 3 print(write())

NameError: name 'write' is not defined
```

In [28]:
```
f=open('C:\\Tanuja\\data.txt','r')
print(f.read())
f.close()
```

```
venkata saitanuja
```

In [34]:
```
f=open('C:\\Tanuja\\data.txt','r')
print(f.read(6))
f.close()
```

```
venkat
```

In [35]:
```
f=open('C:\\Tanuja\\data.txt','r')
print(f.readlines())
f.close()
```

```
['venkata saitanuja']
```

In [36]:
```
f=open('C:\\Tanuja\\data.txt','r')
print(f.readlines())
print(f.readlines())
f.close()
```

```
['venkata saitanuja']
[]
```

In [38]:
```
f=open('C:\\Tanuja\\data.txt','r')
for x in f:
    print(x)
```

```
venkata saitanuja
```

regex

In [39]:
```
import re
pattern = '^a...s$'
test_string = 'abyss'
result = re.match(pattern, test_string)
if result:
    print("Search successful.")
else:
    print("Search unsuccessful.")
```

```
Search successful.
```

In [41]:
```
import re
pattern= '^t....a$'
test_string='ranuja'
result=re.match(pattern,test_string)
if result:
    print('search successful')
else:
    print('search unsuccessful')
```

```
search unsuccessful
```

In [42]:
```
import re
string = 'hello 12 hi 89. Howdy 34'
pattern = '\d+'
result = re.findall(pattern, string)
print(result)
```

```
['12', '89', '34']
```

In [43]:
```
import re
string='tanuja 12 hi 12.how is ur day 12'
pattern='\d+'
result=re.findall(pattern,string)
print(result)
```

```
['12', '12', '12']
```

In [3]:
```
import re
string = 'Twelve:12 Eighty nine:89 Nine:9'
pattern = '\d+'
result = re.split(pattern, string, 1)
print(result)
```

```
['Twelve:', ' Eighty nine:89 Nine:9']
```

In [45]:
```
import re
string='ten:10 nine:9 eight:8.'
pettern ='\d+'
result=re.split(pattern,string,2)
print(result)
```

```
['ten:', ' nine:', ' eight:8.']
```

In [46]:
```
import re
string='ten:10 nine:9 eight:8.'
pettern ='\d+'
result=re.split(pattern,string,1)
print(result)
```

```
['ten:', ' nine:9 eight:8.']
```

In [5]:
```
import re
string='ten:10 nine:9 eight:8.'
pettern ='\d+'
result=re.split(pattern,string,3)
print(result)
```

```
['ten:', ' nine:', ' eight:', '.']
```

In [48]:
```
import re
string = 'abc 12\
de 23 \n f45 6'
pattern = '\s+'
replace = ''
new_string = re.subn(pattern, replace, string)
print(new_string)
```

```
('abc12de23f456', 4)
```

In [50]:
```
import re
string='ta 12\ nu 24\ja 9'
pattern ='\s+'
replace=""
new_string=re.subn(pattern,replace,string)
print(new_string)
```

```
('ta12\\nu24\\ja9', 4)
```

In [6]:
```
def simple():
    for i in range(10):
        if(i%2==0):
            yield i
            for i in simple():
                print(i)
```

In [61]:
```
Day = ['Mon', 'Tue', 'Wed',]
Time= ['2pm','10am','11am']
# Create an empty dict
dictA = {}
# Use for loop
for (key, value) in zip(Day, Time):
    dictA[key] = value
print("Dictionary using for loop:\n",dictA)
```

```
Dictionary using for loop:
 {'Mon': '2pm', 'Tue': '10am', 'Wed': '11am'}
```

In [7]:
```
listA = [12, 4, 25, 12,4,9]
genrtr = (var for var in listA if var % 2 == 0)
print("Values using generator comprehensions:\n")
for x in genrtr:
    print(x, end=',')
```

```
Values using generator comprehensions:

12,4,12,4,
```

In [65]:
```
name=['tanuja','sai','sailaja']
age=[22,19,40]
dictA={}
for (key,value) in zip(name,age):
    dictA[key]=value
print('dictionary using for loop:\n',dictA)
```

```
dictionary using for loop:
 {'tanuja': 22, 'sai': 19, 'sailaja': 40}
```

In [67]:
```
list=[12,2,4,6,3,5,7]
genrtr=(var for var in list if var%2==0)
print('values using generator comperhension:\n')
for x in genrtr:
    print(x, end=",")
```

```
values using generator comperhension:

12,2,4,6,
```

In [9]:
```
food = ["fat", "protein", "vitamin"]
food[0] = "mineral"
print(food)
```

```
['mineral', 'protein', 'vitamin']
```

In [10]:
```
names=['sailaja','chaitanya','shamala']
names[2]='tanuja'
print(names)
```

```
['sailaja', 'chaitanya', 'tanuja']
```

In [21]:
```
names=['sailaja','chaitanya','shamala']
names[2]='tanuja'
print(len(names))
```

```
3
```

In [22]:
```
food = ["fat", "protein", "vitamin"]
a = len(food)
print(a)
```

```
3
```

In [23]:
```
names=['sailaja','chaitanya','shamala']
names=len(names)
print(names)
```

```
3
```

In [24]:
```
cars = ["Ford", "Volvo", "BMW"]
for x in cars:
    print(x)
```

```
Ford
Volvo
BMW
```

In [26]:
```
import socket
ip = socket.gethostbyname('www.google.com')
print(ip)
```

```
172.217.160.132
```

In [28]:
```
import socket
ip=socket.gethostbyname('www.zahoo.com')
print(ip)
```

```
106.10.248.150
```

In [29]:
```
import socket
ip=socket.gethostbyname('www.yahoo.com')
print(ip)
```

```
202.165.107.50
```

In [31]:
```
import http.client
import json
conn = http.client.HTTPSConnection('www.httpbin.org')
headers = {'Content-type': 'application/json'}
foo = {'text': 'Hello HTTP #1 **cool**, and #1!'}
json_data = json.dumps(foo)
conn.request('POST', '/post', json_data, headers)
response = conn.getresponse()
print(response.read().decode())
```


```
{
  "args": {},
  "data": "{\"text\": \"Hello HTTP #1 **cool**, and #1!\"}",
  "files": {},
  "form": {},
  "headers": {
    "Accept-Encoding": "identity",
    "Content-Length": "43",
    "Content-Type": "application/json",
    "Host": "www.httpbin.org",
    "X-Amzn-Trace-Id": "Root=1-61c0591c-77995ccd607fc3d870470f66"
  },
  "json": {
    "text": "Hello HTTP #1 **cool**, and #1!"
  },
  "origin": "223.187.14.220",
  "url": "https://www.httpbin.org/post"
}
```


In [ ]:
```
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: