

File Edit View Insert Cell Kernel Widgets Help

Trusted

Python 3 (ipykernel) O



```
In [7]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
print(conn.version)
```

11.2.0.2.0

```
In [8]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
#print(conn.version)

#create cursor
c = conn.cursor()
table = """create table employee(epid number primary key, name varchar(20) not null, sal number, job varchar(20), deptno number)
c.execute(table)
print('Table created!')
```

Table created!

```
In [12]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
print('Connection Successful!', conn.version)

#create cursor
c = conn.cursor()
insert = """insert into employee values(102, 'John', 4000, 'Analyst', 10)"""
c.execute(insert)
print('Insert Successful!')
conn.commit()
```

Connection Successful! 11.2.0.2.0
Insert Successful!

```
In [13]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
print('Connection Successful!', conn.version)

#create cursor
c = conn.cursor()
insert = """insert into employee values(103, 'Susane', 5000, 'Analyst', 20)"""
c.execute(insert)
print('Insert Successful!')
conn.commit()
```

Connection Successful! 11.2.0.2.0
Insert Successful!

```
In [14]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:152/xe')
print('Connection Successful!', conn.version)

#create cursor
c = conn.cursor()
insert = """insert into employee values(104, 'Jason', 5000, 'Salesman', 20)"""

-----
```

```
DatabaseError Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_9684\3327474540.py in <module>
      1 import cx_Oracle
      2 #create connection
----> 3 conn = cx_Oracle.connect('pratik/pratik997@//localhost:152/xe')
      4 print('Connection Successful!', conn.version)
      5
```

DatabaseError: ORA-12541: TNS:no listener

```
In [15]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
print('Connection Successful!', conn.version)

#create cursor
c = conn.cursor()
insert = """insert into employee values(104, 'Jason', 5000, 'Salesman', 20)"""

c.execute(insert)
print('Insert Successful!')

conn.commit()

c.close()
conn.close()
```

```
print('Connection Closed!')  
Connection Successful! 11.2.0.2.0  
Insert Successful!  
Connection Closed!
```

```
In [16]: import cx_Oracle  
#create connection  
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')  
print('Connected!')  
  
#create cursor  
c = conn.cursor()  
update = """update employee set sal=3000 where empid=104"""  
  
c.execute(update)  
print('Updated!')  
  
conn.commit()  
  
c.close()  
conn.close()  
print('Closed!')  
  
Connected!  
Updated!  
Closed!
```

```
In [17]: import cx_Oracle  
#create connection  
conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')  
print('Connected!')  
  
#create cursor  
c = conn.cursor()  
  
insert = """insert into employee values(105, 'James', 2000, 'Clerk', 10)"""  
c.execute(insert)  
print('Inserted!')  
  
conn.commit()  
  
c.close()  
conn.close()  
print('Closed!')  
  
Connected!  
Inserted!  
Closed!
```

```
In [18]: import cx_Oracle  
#create connection  
conn = cx_Oracle.connect('pratik/praitk997@localhost:1522/xe')  
  
#create cursor  
c = conn.cursor()  
  
delete = """delete from employee where name='Jason'"""  
  
c.execute()  
  
conn.commit()  
  
c.close()  
conn.close()  
print('Success!')
```

```
-----  
DatabaseError Traceback (most recent call last)  
C:\Users\PRATIK-1\AppData\Local\Temp\ipykernel_9684\1802106165.py in <module>  
  1 import cx_Oracle  
  2 #create connection  
----> 3 conn = cx_Oracle.connect('pratik/praitk997@localhost:1522/xe')  
  4  
  5 #create cursor
```

```
DatabaseError: ORA-01017: invalid username/password; logon denied
```

```
In [19]: import cx_Oracle  
#create connection  
conn = cx_Oracle.connect('pratik/pratik997@localhost:1522/xe')  
  
#create cursor  
c = conn.cursor()  
  
delete = """delete from employee where name='Jason'"""  
  
c.execute()  
  
conn.commit()  
  
c.close()  
conn.close()  
print('Success!')
```

```
-----  
TypeError
```

```
Traceback (most recent call last)
```

```
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_9684\1101927942.py in <module>
    8 delete = """delete from employee where name='Jason'"""
    9
--> 10 c.execute()
   11
   12 conn.commit()

TypeError: function takes at least 1 argument (0 given)
```

```
In [20]: import cx_Oracle
#create connection
conn = cx_Oracle.connect('pratik/pratik997@localhost:1522/xe')

#create cursor
c = conn.cursor()

delete = """delete from employee where name='Jason'"""

c.execute(delete)

conn.commit()

c.close()
conn.close()
print('Success!')

Success!
```

```
In [22]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while creating the connection!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        insert = """insert into employee values(106, 'Jones', 2000, 'Salesman', 20)"""
        c.execute(insert)

    except Exception as err:
        print('Error while inserting data!', err)

    else:
        print('Inserted data!')
        conn.commit()
finally:
    c.close()
    conn.close()

Connected!
11.2.0.2.0
Inserted data!
```

```
In [23]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while Connecting!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        insert = """update employee set empid=104 where emoid=106"""
        c.execute(insert)
        conn.commit()
    except Exception as err:
        print('Error while inserting data!', err)
    else:
        print('Data inserted successfully!')
finally:
    c.close()
    conn.close()

Connected!
11.2.0.2.0
Error while inserting data! ORA-00904: "EMOID": invalid identifier
```

```
In [24]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while Connecting!', err)
```

```

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        insert = """update employee set empid=104 where empid=106"""
        c.execute(insert)
        conn.commit()
    except Exception as err:
        print('Error while inserting data!', err)
    else:
        print('Data inserted successfully!')
finally:
    c.close()
    conn.close()

```

Connected!
11.2.0.2.0
Data inserted successfully!

```

In [25]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while Connecting!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        update = """update employee set empid=104 where empid=106"""
        c.execute(update)
        conn.commit()
    except Exception as err:
        print('Error while updating data!', err)
    else:
        print('Data updated successfully!')
finally:
    c.close()
    conn.close()

```

Connected!
11.2.0.2.0
Data updated successfully!

```

In [26]: import cx_Orcle
try:
    #create connection
    conn = cx_Orcle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while connecting!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        update = """update employee set sal=sal+1000"""
        c.execute(update)
        conn.commit()
    except Exception as err:
        print('Error while updating data!', err)
    else:
        print('Updated Successfully!')
finally:
    c.close()
    conn.close()

```

```

-----
ModuleNotFoundError          Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_9684\1041090926.py in <module>
----> 1 import cx_Orcle
      2 try:
      3     #create connection
      4     conn = cx_Orcle.connect('pratik/pratik997@//localhost:1522/xe')
      5     print('Connected!')

ModuleNotFoundError: No module named 'cx_Orcle'

```

```

In [27]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while connecting!', err)

else:
    print(conn.version)
    try:

```

```

        #create cursor
        c = conn.cursor()
        update = """update employee set sal=sal+1000"""
        c.execute(update)
        conn.commit()
    except Exception as err:
        print('Error while updating data!', err)
    else:
        print('Updated Successfully!')
finally:
    c.close()
    conn.close()

Error while connecting! name 'cx_Oracle' is not defined

-----
InterfaceError Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_9684\2076937425.py in <module>
      21     print('Updated Successfully!')
      22 finally:
---> 23     c.close()
      24     conn.close()

InterfaceError: not open

```

```

In [28]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while connecting!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        update = """update employee set sal=sal+1000"""
        c.execute(update)
        conn.commit()
    except Exception as err:
        print('Error while updating data!', err)
    else:
        print('Updated Successfully!')
finally:
    c.close()
    conn.close()

Connected!
11.2.0.2.0
Updated Successfully!

```

```

In [29]: import cx_Oracle
try:
    #create connection
    conn = cx_Oracle.connect('pratik/pratik997@//localhost:1522/xe')
    print('Connected!')

except Exception as err:
    print('Error while connecting!', err)

else:
    print(conn.version)
    try:
        #create cursor
        c = conn.cursor()
        alter = """alter table employee rename column sal to new_sal"""
        c.execute(alter)
        conn.commit()
    except Exception as err:
        print('Error while altering table!', err)
    else:
        print('Altered successfully!')
finally:
    c.close()
    conn.close()

Connected!
11.2.0.2.0
Altered successfully!

```

In []: