In [12]:
```
import cx_Oracle
```

In [13]:
```
con = cx_Oracle.connect('anifdb/root@localhost:1521/xe')
```

In [14]:
```
cursor = con.cursor()
```

In [15]:
```
data = cursor.execute("SELECT * FROM MOVIE_CAST")

bingo = data.fetchall()
print(bingo)
```

```
[(101, 901, 'John Scottie Ferguson'), (102, 902, 'Miss Giddens'), (103, 903,
'T.E. Lawrence'), (104, 904, 'Michael'), (105, 905, 'Antonio Salieri'), (106, 9
06, 'Rick Deckard'), (107, 907, 'Alice Harford'), (108, 908, 'McManus'), (110,
910, 'Eddie Adams'), (111, 911, 'Alvy Singer'), (112, 912, 'San'), (113, 913,
'Andy Dufresne'), (114, 914, 'Lester Burnham'), (115, 915, 'Rose DeWitt Bukate
r'), (116, 916, 'Sean Maguire'), (117, 917, 'Ed'), (118, 918, 'Renton'), (120,
920, 'Elizabeth Darko'), (121, 921, 'Older Jamal'), (122, 922, 'Ripley'), (114,
923, 'Bobby Darin'), (109, 909, 'J.J.Gittes'), (119, 919, 'Alfred Borden')]
```

In [16]:
```
data = cursor.execute("SELECT * FROM MOVIE_CAST")
dinga = data.fetchmany()
for i in dinga:
    l=list[i]
    if l[0]>102 and l[0]<105:
        print(l)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
C:\Users\TANUJA~1\AppData\Local\Temp/ipykernel_9076/338057859.py in <module>
      3 for i in dinga:
      4     l=list[i]
----> 5     if l[0]>102 and l[0]<105:
      6         print(l)

TypeError: There are no type variables left in list[101, 901, 'John Scottie Fer
guson']
```

In [17]:
```
data = cursor.execute("SELECT * FROM MOVIE_CAST")
dinga = data.fetchone()
print(dinga)
```

```
(101, 901, 'John Scottie Ferguson')
```

In [20]:
```
import cx_Oracle
try:
    con=cx_Oracle.connect('anifdb/root@localhost')
    cursor=con.cursor()

    cursor.execute("create table employees(eno number,ename varchar2(10),esal num
    print("Table created successfully")
except cx_Oracle.DatabaseError as e:
    if con:
        con.rollback()
        print("There is a problem with sql",e)
finally:
    if cursor:
        cursor.close()

    if con:
        con.close()
    print("closed ")
```

```
Table created successfully
closed
```

In [19]:
```
import cx_Oracle
try:
    con=cx_Oracle.connect('anifdb/root@localhost')
    cursor=con.cursor()
    cursor.execute("drop table employees")
    print("Table dropped successfully")
except cx_Oracle.DatabaseError as e:
    if con:
        con.rollback()
        print("There is a problem with sql",e)
finally:
    if cursor:
        cursor.close()
    if con:
        con.close()
```

```
Table dropped successfully
```

In [21]:
```
import cx_Oracle
try:
    con=cx_Oracle.connect('anifdb/root@localhost')
    cursor=con.cursor()
    sql="insert into employees values(:eno,:ename,:esal,:eaddr)"
    records=[(200,'Sunny',2000,'Mumbai'),
   (300,'Chinny',3000,'Hyd'),
   (400,'Bunny',4000,'Hyd')]
    cursor.executemany(sql,records)
    con.commit()
    print("Records Inserted Successfully")
except cx_Oracle.DatabaseError as e:
    if con:
        con.rollback()
        print("There is a problem with sql",e)
finally:
    if cursor:
        cursor.close()
    if con:
        con.close()
```

```
Records Inserted Successfully
```

In [9]:
```
import cx_Oracle
try:
    con=cx_Oracle.connect('anifdb/root@localhost')
    cursor=con.cursor()
    ans=input("yes or no")
    while ans=="yes":
        eno=int(input("Enter Employee Number:"))
        ename=input("Enter Employee Name:")
        esal=float(input("Enter Employee Salary:"))
        eaddr=input("Enter Employee Address:")
        sql="insert into employees values(%d,'%s',%f,'%s')"
        cursor.execute(sql %(eno,ename,esal,eaddr))
        print("Record Inserted Successfully")
       # option=input("Do you want to insert one more record[Yes|No] :")
        ans=input("yes or no")
except cx_Oracle.DatabaseError as e:
      if con:
        con.rollback()
        print("There is a problem with sql :",e)
finally:
        con.commit()
        if cursor:
            cursor.close()
        if con:
            con.close()
```

```
yes or noyes
Enter Employee Number:3
Enter Employee Name:monisha
Enter Employee Salary:100
Enter Employee Address:chittor
Record Inserted Successfully
yes or nono
```

Type *Markdown* and LaTeX: α^2