

Day 20 – Python MySQL Join

a. Write a query to get the maximum and minimum salary from employees table

In [2]:

```
import mysql.connector as sql
conn=sql.connect(
    host="localhost",
    user="root",
    passwd="Vinita@28",
)
print(conn)
```

<mysql.connector.connection.MySQLConnection object at 0x0000023CFFE22088>

In [3]:

```
curr= conn.cursor()

curr.execute("CREATE DATABASE Employee_Mangement")
```

In [4]:

```
curr = conn.cursor()

curr.execute("SHOW DATABASES")

for entry in curr:
    print(entry)
```

```
('animals',)
('bank',)
('doctors_details',)
('employee_mangement',)
('information_schema',)
('mysql',)
('performance_schema',)
('shoe__billing',)
('studentprofile',)
('sys',)
('vini',)
('xiics2021',)
```

In [12]:

```
import mysql.connector as sql
conn=sql.connect(
    host="localhost",
    user="root",
    passwd="Vinita@28",
    database="employee_mangement"
)
curr= conn.cursor()

curr.execute("CREATE TABLE Employee (emp_id INT , EMP_NAME VARCHAR(255),EMP_SALARY DOUBLE )
```

In [13]:

```
curr= conn.cursor()

curr.execute("SHOW TABLES")

for value in curr:
    print(value)
```

('employee',)

In [14]:

```
def addData():
    curr=conn.cursor()
    qry = "insert into Employee (emp_id,EMP_NAME,EMP_SALARY ) values( %s , %s , %s )"
    emp_id=int(input("enter emp_id :"))
    EMP_NAME =input("enter EMP_name :")
    EMP_SALARY=input("enter EMP_salary : ")
    data=(emp_id ,EMP_NAME ,EMP_SALARY)
    curr.execute(qry,data)
    conn.commit()
    print('data added succesfully')
    curr.close()
```

In [21]:

```
addData()
```

```
enter emp_id :1240
enter EMP_name :Vipansu
enter EMP_salary : 100000
data added succesfully
```

In [22]:

```
curr.execute("select * from Employee ")
data=curr.fetchall()
for r in data :
    print(r)
curr.close()
```

```
(1234, 'Vinita Singh', 55000.0)
(1235, 'Vipul Kumar', 87000.0)
(1236, 'Rohan Kumar', 34000.0)
(1237, 'Vishal Kumar', 67000.0)
(1238, 'Ravi Kumar 45600', 45600.0)
(1239, 'GulShan', 78000.0)
(1240, 'Vipansu', 100000.0)
```

Out[22]:

True

In [23]:

```
curr =conn.cursor()

curr.execute("SELECT EMP_NAME,EMP_SALARY FROM employee where EMP_SALARY = (select max(EMP_S
myresult = curr.fetchall()

for x in myresult:
    print(x)
```

```
('Vipansu', 100000.0)
```

In [24]:

```
curr =conn.cursor()

curr.execute("SELECT EMP_NAME,EMP_SALARY FROM employee where EMP_SALARY = (select min(EMP_S
myresult = curr.fetchall()

for x in myresult:
    print(x)
```

```
('Rohan Kumar', 34000.0)
```

Write a query to get the number of employees working with the company¶

In [26]:

```
curr= conn.cursor()

curr.execute("SELECT COUNT(*) from employee")

myresult = curr.fetchall()

for x in myresult:
    print(x)
```

(7,)

Write a query to get the first 3 characters of first name from employees table

In [29]:

```
curr = conn.cursor()

curr.execute("SELECT * from employee WHERE EMP_NAME LIKE('VIP%')")

myresult = curr.fetchall()

for x in myresult:
    print(x)
```

(1235, 'Vipul Kumar', 87000.0)
(1240, 'Vipansu', 100000.0)

In []: