In [1]:

```
import mysql.connector
```

In [3]:

```
import mysql.connector

mydb = mysql.connector.connect(
  host="localhost",
 user="root",
  password="root",
)

mycursor = mydb.cursor()
print(mydb)
```

```
<mysql.connector.connection_cext.CMySQLConnection object at 0x00000287336FB8E0>
```

In [4]:

```
dbse = mydb.cursor()

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

In [5]:

```
dbse = mydb.cursor()
dbse.execute("CREATE DATABASE Employee_Management")
```

In [7]:

```
dbse = mydb.cursor()
dbse.execute("SHOW DATABASES")
for i in dbse:
    print(i)
```

```
('bestenlist',)
('covid',)
('doctor',)
('employee_management',)
('employee_mangement',)
('information_schema',)
('mysql',)
('performance_schema',)
('sakila',)
('sales',)
('students_management_system',)
('students_management_system1',)
('sys',)
('world',)
```

In [9]:

```
import mysql.connector

mydb = mysql.connector.connect(
  host="localhost",
 user="root",
  password="root",
database="employee_management"
)
dbse=mydb.cursor()
dbse.execute("CREATE TABLE Employee(emp_id INT,emp_name VARCHAR(255),emp_salary DOUBLE)")
```

In [10]:

```
dbse=mydb.cursor()
```

```
dbse.execute("SHOW TABLES")
for i in dbse:
    print(i)
```

```
('employee',)
```

In [11]:

```
dbse=mydb.cursor()
dbse.execute("SHOW COLUMNS FROM employee")
for i in dbse:
    print(i)
```

```
('emp_id', b'int', 'YES', '', None, '')
('emp_name', b'varchar(255)', 'YES', '', None, '')
('emp_salary', b'double', 'YES', '', None, '')
```

In [18]:

```
dbse=mydb.cursor()
sql="INSERT INTO employee(emp_id,emp_name,emp_salary) values(%s,%s,%s)"
val=[('1','Arun','30000.0'),
    ('2','Balu','32000.0'),
    ('3','Chandru','35000.0'),
    ('4','Daniel','36000.0'),
    ('5','Ezhil','39000.0'),
    ('6','Faruk','41000.0'),
    ('7','Ganesh','42000.0'),
    ('8','Harish','60000.0'),
    ('9','Karun','60500.0'),
    ('10','Madhan','78000.0')
]
dbse.executemany(sql,val)
mydb.commit()
print(dbse.rowcount," was inserted")
```

```
10  was inserted
```

In [ ]:

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

In [19]:

```
dbse=mydb.cursor()
dbse.execute("SELECT emp_name,emp_salary FROM employee WHERE emp_salary = (select max(emp
_salary) FROM employee)")
x=dbse.fetchall()
for i in x:
    print(i)
```

```
('Madhan', 78000.0)
```

In [20]:

```
dbse=mydb.cursor()
dbse.execute("SELECT emp_name,emp_salary FROM employee WHERE emp_salary=(select min(emp_s
alary)FROM employee)")
y=dbse.fetchall()
for i in y:
    print(i)
```

```
('Arun', 30000.0)
```

In [ ]:

```
#b. Write a query to get the number of employees working with the company
```

In [21]:

```
dbse=mydb.cursor()
```

```
dbse.execute("SELECT COUNT(*) FROM employee")
z=dbse.fetchall()
for i in z:
    print(i)
```

```
(10,)
```

In [22]:

```
#c. Write a query to get the first 3 characters of first name from employees table
```

In [24]:

```
dbse=mydb.cursor()
dbse.execute("SELECT SUBSTRING(emp_name,1,3) FROM employee")
x1=dbse.fetchall()
print(x1)
```

```
[('Aru',), ('Bal',), ('Cha',), ('Dan',), ('Ezh',), ('Far',), ('Gan',), ('Har',), ('Kar',)
, ('Mad',)]
```