```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()
print("Database created")
```

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
Database created
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employeedetails")
mycursor=db.cursor()
# print("Database created")


mycursor.execute("create table branch(branch_no int auto_increment primary key,branch_name varchar(255),city varchar(255))")
print("Branch table created")
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

sql="insert into branch(branch_name,city) values(%s,%s)"
value=[
    ("Tirur","Mlp"),
    ("Shornur","Plk"),
    ("Aluva","Ekm"),
    ("Vatakara","CLt"),
    ("Thalassery","Knr")
]
mycursor.executemany(sql,value)
db.commit()
print(mycursor.rowcount,"Records inserted")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
5 Records inserted
PS C:\Users\computer\OneDrive\Desktop\SQL>
```
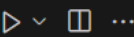
```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()


mycursor.execute("create table staff(staff_id int auto_increment primary key,first_name varchar(255),last_name varchar(255),position varchar(255
print("Staff table created")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
Staff table created
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

sql="insert into staff(first_name,last_name,position,sex,date_of_joining,salary,branch_no) values(%s,%s,%s,%s,%s,%s,%s)"
value=[
    ('Raju', 'P', 'Manager', 'M', '2023-01-15', 50000, 1),
    ('Gokul', 'S', 'Assistant', 'M', '2023-02-20', 30000, 2),
    ('Jithu', 'M', 'Clerk', 'M', '2023-03-05', 25000, 3),
    ('Anju', 'Jacob', 'Secretary', 'F', '2023-04-10', 28000, 4),
    ('David', 'BS', 'Team Lead', 'M', '2023-05-25', 45000, 5)
]
mycursor.executemany(sql,value)
db.commit()
print(mycursor.rowcount,"Records inserted")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
5 Records inserted
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select * from staff")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)
```

PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
(1, 'Raju', 'P', 'Manager', 'M', datetime.date(2023, 1, 15), 50000.0, 1)
(2, 'Gokul', 'S', 'Assistant', 'M', datetime.date(2023, 2, 20), 30000.0, 2)
(3, 'Jithu', 'M', 'Clerk', 'M', datetime.date(2023, 3, 5), 25000.0, 3)
(4, 'Anju', 'Jacob', 'Secretary', 'F', datetime.date(2023, 4, 10), 28000.0, 4)
(5, 'David', 'BS', 'Team Lead', 'M', datetime.date(2023, 5, 25), 45000.0, 5)
PS C:\Users\computer\OneDrive\Desktop\SQL>

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select first_name,date_of_joining,salary from staff where position='Manager'")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)
```

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
('Raju', datetime.date(2023, 1, 15), 50000.0)
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select sum(salary) from staff")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select * from staff order by salary desc")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)
```

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
(1, 'Raju', 'P', 'Manager', 'M', datetime.date(2023, 1, 15), 50000.0, 1)
(5, 'David', 'BS', 'Team Lead', 'M', datetime.date(2023, 5, 25), 45000.0, 5)
(2, 'Gokul', 'S', 'Assistant', 'M', datetime.date(2023, 2, 20), 30000.0, 2)
(4, 'Anju', 'Jacob', 'Secretary', 'F', datetime.date(2023, 4, 10), 28000.0, 4)
(3, 'Jithu', 'M', 'Clerk', 'M', datetime.date(2023, 3, 5), 25000.0, 3)
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select distinct(position) from staff")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)

```

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
('Manager',)
('Assistant',)
('Clerk',)
('Secretary',)
('Team Lead',)
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select min(salary),max(salary),avg(salary) from staff")
my_result=mycursor.fetchall()
for i in my_result:
    print(i)
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("update staff set salary=salary*1.05 where position='manager' ")
db.commit()
print("Manager salary updated")

mycursor.execute("select first_name,position,salary from staff where position='manager' ")
res=mycursor.fetchall()
for i in res:
    print(i)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
Manager salary updated
('Raju', 'Manager', 52500.0)
PS C:\Users\computer\OneDrive\Desktop\SQL>
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()


mycursor.execute("select * from staff where branch_no in(select branch_no from branch where city='Ekm')")
res=mycursor.fetchall()
for i in res:
    print(i)
```

```python
import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",password="",database="employedetails")
mycursor=db.cursor()

mycursor.execute("select count(distinct(first_name)) from staff where date_of_joining>'2018' ")
res=mycursor.fetchall()
for i in res:
    print(i)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\computer\OneDrive\Desktop\SQL> & C:/Users/computer/AppData/Local/Programs/Python/Python311/python.exe c:/Users/computer/OneDrive/Desktop/SQL/task1.py
(5,)
PS C:\Users\computer\OneDrive\Desktop\SQL>
```