Task - 17

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# task-17

# 1. Create a connection for DB and print the version using a python program
import MySQLdb

# Open database connection
db = MySQLdb.connect("localhost","root","hello","PythonDB"  )

# prepare a cursor object using cursor() method
cursor = db.cursor()

# execute SQL query using execute() method.
cursor.execute("SELECT VERSION()")

# Fetch a single row using fetchone() method.
data = cursor.fetchone()
print "Database version : %s " % data

# disconnect from server
db.close()
```

output : -

```
Database version : 5.0.45
```

```
# 2. Create a multiple tables & insert data in table
import mysql.connector

#Create the connection object
myconn = mysql.connector.connect(host = "localhost", user = "root",passwd = "hello"
,database = "PythonDB")

#creating the cursor object
cur = myconn.cursor()
sql = "insert into Employee(name, id, salary, dept_id, branch_name) values (%s, %s,
%s, %s, %s)"
val = [("John", 102, 25000.00, 201, "Newyork"),("David",103,25000.00,202,"Port of sp
ain"),("Nick",104,90000.00,201,"Newyork")]
```

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try:
    #inserting the values into the table
    cur.executemany(sql,val)

    #commit the transaction
    myconn.commit()
    print(cur.rowcount,"records inserted!")

except:
    myconn.rollback()

myconn.close()
```

output : -

```
3 records inserted!
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```
+-------+-----+--------+---------+---------------+
| name  | id  | salary | Dept_id | branch_name   |
+-------+-----+--------+---------+---------------+
| John  | 101 |  25000 |     201 | Newyork       |
| John  | 102 |  25000 |     201 | Newyork       |
| David | 103 |  25000 |     202 | Port of spain |
| Nick  | 104 |  90000 |     201 | Newyork       |
+-------+-----+--------+---------+---------------+
4 rows in set (0.00 sec)
```

```
# 3. Create a employee table and read all the employee name in the table
    using for loop

import mysql.connector

#Create the connection object
myconn = mysql.connector.connect(host = "localhost", user = "root",passwd = "hello"
,database = "PythonDB")

#creating the cursor object
cur = myconn.cursor()

try:
    #Reading the Employee data
    cur.execute("select * from Employee")

    #fetching the rows from the cursor object
    result = cur.fetchall()
    #printing the result
```

```
    for x in result:
        print(x);
except:
    myconn.rollback()

myconn.close()
```

output: -

```
('John', 101, 25000.0, 201, 'Newyork')
('John', 102, 25000.0, 201, 'Newyork')
('David', 103, 25000.0, 202, 'Port of spain')
('Nick', 104, 90000.0, 201, 'Newyork')
```