

```
psycopg - C:\Users\lsh\OneDrive\Folder\config\psycopg2 (3.10.7)
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import psycopg2
import psycopg2.extras

hostname = 'localhost'
database = 'dbnew'
username = 'postgres'
pwd = '1212'
port_id = 5432
conn = None

try:
    with psycopg2.connect(
        host = hostname,
        dbname = database,
        user = username,
        password = pwd,
        port = port_id as conn:

        with conn.cursor(cursor_factory=psycopg2.extras.DictCursor) as cur:

            cur.execute('DROP TABLE IF EXISTS users')

            create_query = """ CREATE TABLE IF NOT EXISTS users (
                                id int PRIMARY KEY,
                                name text,
                                age int,
                                gender text,
                                nationality text) """

            cur.execute(create_query)

            users = [(1,"Daisy",25,"female","USA",1), (2,"Mia",32,"female","France",3), (3,"Brianna",35,"female","England",4), (4,"Mia",40,"male","Denmark",5), (5,"Elizabeth",21,"female","Canada"),]
            user_records = ", ".join(["%s"] * len(users))
            insert_query = f"""INSERT INTO users (id, name, age, gender, nationality) VALUES {user_records}"""
            cur.execute(insert_query, users)

            create_query = """ CREATE TABLE IF NOT EXISTS comments (
                                id int PRIMARY KEY,
                                text text,
                                user_id int,
                                post_id int ) """

            cur.execute(create_query)

            comments = [(1,"ha",1,1), (2,"haha",2,2), (3,"LOL",3,3), (4,"LOL",4,4),]
            comment_records = ", ".join(["%s"] * len(comments))
            insert_query = f"""INSERT INTO comments (id, text, user_id, post_id) VALUES {comment_records}"""
            cur.execute(insert_query, comments)

            create_query = """ CREATE TABLE IF NOT EXISTS likes (
                                id int PRIMARY KEY,
                                user_id int,
                                post_id int ) """

            cur.execute(create_query)

            likes = [(1,1,1), (2, 2, 2), (3, 3, 3), (4, 4, 4), (5, 5, 5),]
            like_records = ", ".join(["%s"] * len(likes))
            insert_query = f"""INSERT INTO likes (id, user_id, post_id) VALUES {like_records}"""
            cur.execute(insert_query, likes)

            create_query = """ CREATE TABLE IF NOT EXISTS posts (
                                id int PRIMARY KEY,
                                title text,
                                description text,
                                user_id int ) """

            cur.execute(create_query)

            posts = [(1,"happy", "I am feeling very happy today",1), (2,"Hot Weather", "The weather is very hot today",2), (3,"Help", "I need some help with my work",3), (4,"Great News", "I'm getting married",4),]
            post_records = ", ".join(["%s"] * len(posts))
            insert_query = f"""INSERT INTO posts (id, title, description, user_id) VALUES {post_records}"""
            cur.execute(insert_query, posts)

except Exception as e:
    print(e)
finally:
    if conn is not None:
        conn.close()
```

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database = 'dbnew'

username = 'postgres'

pwd = '1212'

port_id = 5432

conn = None
```

try:

```
with psycopg2.connect(  
    host = hostname,  
    dbname = database,  
    user = username,  
    password = pwd,  
    port = port_id) as conn:
```

```
with conn.cursor(cursor_factory=psycopg2.extras.DictCursor) as cur:
```

```
cur.execute('DROP TABLE IF EXISTS users')
```

```
create_script = ''' CREATE TABLE IF NOT EXISTS users (  
    id    int PRIMARY KEY,  
    name  text,  
    age  int,  
    gender text,  
    nationality text) '''
```

```
cur.execute(create_script)
```

```
users = [(1,"James",25,"male","USA"),(2,  
"Leila",32,"female","France"),(3,"Brigitte",35,"female","England"),(4,"Mike",40,"male","Denmark"),(  
5,"Elizabeth",21,"female","Canada"),]
```

```
user_records = ", ".join(["%s" % user[1:] for user in users])
```

```
insert_query = (  
    f"INSERT INTO users (id, name, age, gender, nationality) VALUES {user_records}"  
    )
```

```
cur.execute(insert_query, users)
```

```
create_script = ''' CREATE TABLE IF NOT EXISTS comments (
```

```
    id    int PRIMARY KEY,
```

```
    text  text ,
```

```
    user_id int,
```

```
    post_id int ) '''
```

```
cur.execute(create_script)
```

```
comments = [(1,"AA",1,1),(2,"BB",2,2 ),(3,"CC",3,3),(4,"DD",4,4),]
```

```
comment_records = ", ".join(["%s"] * len(comments))
```

```
insert_query = (
```

```
    f"INSERT INTO comments (id, text, user_id, post_id) VALUES {comment_records}"
```

```
)
```

```
cur.execute(insert_query, comments)
```

```
create_script = ''' CREATE TABLE IF NOT EXISTS likes (
```

```
    id    int PRIMARY KEY,
```

```
    user_id int,
```

```
    post_id int ) '''
```

```
cur.execute(create_script)
```

```
likes = [(1,1,1),(2, 2, 2),(3, 3, 3),(4, 4, 4),(5, 5, 5),]
```

```
like_records = ", ".join(["%s" % like for like in likes])

insert_query = (
    f"INSERT INTO likes (id, user_id, post_id) VALUES {like_records}"
)

cur.execute(insert_query, likes)
```

```
create_script = """ CREATE TABLE IF NOT EXISTS posts (
    id      int PRIMARY KEY,
    title   text ,
    description  text,
    user_id int ) """

cur.execute(create_script)
```

```
posts = [(1, "Happy", "I am feeling very happy today", 1), (2, "Hot Weather", "The weather is very hot today", 2), (3, "Help", "I need some help with my work", 2), (4, "Great News", "I'm getting married", 1),]
```

```
post_records = ", ".join(["%s" % post for post in posts])

insert_query = (
    f"INSERT INTO posts (id, title, description, user_id) VALUES {post_records}"
)

cur.execute(insert_query, posts)
```

```
except Exception as error:
```

```
    print(error)
```

```
finally:
```

```
    if conn is not None:
```

```
        conn.close()
```