

Lab:08/09

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Part1

```
B: > 3rd Year > Database system and concepts > lab07and 8 > lab07&lab08.py > ...
1  ∨ import psycopg2
2  import pandas as pd
3
4  ∨ connection = psycopg2.connect(
5      host="localhost",
6      database="lab05",
7      port = 5433,
8      user="postgres",
9      password="mdctg135270")
10
11 cursor = connection.cursor()
12
13 query = 'INSERT INTO MOVIE (id, title, release_date, rating, budget, gross) VALUES (%s, %s,
14 val = (5, "spiderman", "2007", 7.8, 200000000, 2200000000 )
15 cursor.execute(query, val)
16 print(cursor.rowcount, "record(s) inserted.")
```

Part2

B: > 3rd Year > Database system and concepts > lab07and 8 > lab07&lab08.py > ...

```
1  import tabnanny
2  import psycopg2
3  import pandas as pd
4
5  connection = psycopg2.connect(
6      host="localhost",
7      database="lab05",
8      port = 5433,
9      user="postgres",
10     password="mdctg135270")
11
12  cursor = connection.cursor()
13
14  cursor.execute('SELECT avg (2022-extract(year date_of_birth)) From actor')
15  result = cursor.fetchall()
16  data= [list(tabnanny)r for r in result]
17  header = ["average age"]
18  df=pd.DataFrame(data,columns=header)
19  print(df)
```

Part3

```
1 import psycopg2
2 import pandas as pd
3
4 connection = psycopg2.connect(
5     ..... host="localhost",
6     ..... database="lab05",
7     ..... port = 5433,
8     ..... user="postgres",
9     ..... password="mdctg135270")
10
11 cursor = connection.cursor()
12
13 query = 'INSERT INTO Genre (Type,Description) VALUES (%s,'
14 val = ('Action','fighting movie')
15 cursor.execute(query, val)
16 print(cursor.rowcount, "record(s) inserted.")
```

Part4

```
import psycopg2
import pandas as pd

connection = psycopg2.connect(
    host="localhost",
    database="lab05",
    port = 5433,
    user="postgres",
    password="mdctg135270")

cursor = connection.cursor()

query = 'INSERT INTO Department (Type,Description) VALUES (%s, %s)'
val = ('Department_name','number_of_student_id' )
cursor.execute(query, val)
print(cursor.rowcount, "record(s) inserted.")
```