

PYTHON PRACTICAL OUTPUTS

Major: python and mysql connectivity

```
import mysql.connector as MyConn
print("Driver started!")

mydb=MyConn.connect(host="localhost",username="root",password="root123",database="nikkii")
print(mydb,"connection established")

db_cursor=mydb.cursor()

db_cursor.execute('create database nikkii')
print("database created")

db_cursor.execute('create table emp(Number int, Name varchar(30), Salary int)')
print("table created!")

inserting the data
db_cursor.execute('INSERT INTO emp VALUES (1, "Asmita", 100)')
db_cursor.execute('INSERT INTO emp VALUES (2, "shreeya", 200)')
db_cursor.execute('INSERT INTO emp VALUES (3, "Sarvesh", 300)')
db_cursor.execute('INSERT INTO emp VALUES (4, "Aditii", 400)')
db_cursor.execute('INSERT INTO emp VALUES (5, "Aditii", 500)')
mydb.commit()
print(db_cursor.rowcount,"Record inserted")

db_cursor.execute("select * from nikkii.Emp")
db_select=db_cursor.fetchall()
print(db_select)

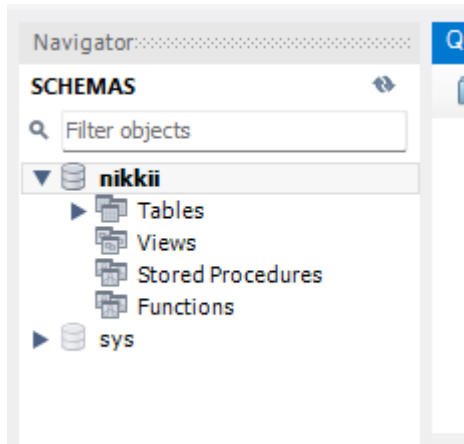
db_Updatedata = "update Emp set Name=%s where Number=%s"
db_value=("Akhil", 5)
db_cursor.execute(db_Updatedata,db_value)
mydb.commit()
print("Updated!")

db_deletedata= "delete from emp where Number=%s"
db_value=(2,)
db_cursor.execute(db_deletedata,db_value)
mydb.commit()
print("Deleted")
```

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Library used is mysql.connector

Database created after connecting to mysql



```
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PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py
Driver started!
<mysql.connector.connection_cext.CMySQLConnection object at 0x000001DCB7469DC0> connection established
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py
Driver started!
<mysql.connector.connection_cext.CMySQLConnection object at 0x0000029C6F339F70> connection established
database created
```

Table created and values are inserted:

Fetchall to see the table content

```
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py
Driver started!
<mysql.connector.connection_cext.CMySQLConnection object at 0x000001D433EF9FD0> connection established
table created!
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py
Driver started!
<mysql.connector.connection_cext.CMySQLConnection object at 0x000002B2F295A240> connection established
1 Record inserted
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py
Driver started!
<mysql.connector.connection_cext.CMySQLConnection object at 0x000002B8D30EA3C0> connection established
[(1, 'Asmita', 100), (2, 'shreya', 200), (3, 'Sarvesh', 300), (4, 'Aditiy', 400), (5, 'Aditiy', 500)]
PS C:\Users\MITBIO\Desktop\AsmiaJ>
```

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Query 1 x

1 • use nikki;
2 • select * from emp
3

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Number	Name	Salary
1	1	Asmita	100
2	2	shreeya	200
3	3	Sarvesh	300
4	4	Adity	400
5	5	Adity	500

Table is updated in the 5th row:

```
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py  
Updated!  
PS C:\Users\MITBIO\Desktop\AsmiaJ>
```

Result Grid | Filter Rows: | Export:

	Number	Name	Salary
1	1	Asmita	100
2	2	shreeya	200
3	3	Sarvesh	300
4	4	Adity	400
5	5	Akhil	500

emp 2 x

1 row is deleted from the table:

```
PS C:\Users\MITBIO\Desktop\AsmiaJ> & C:/Users/MITBIO/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MITBIO/Desktop/AsmiaJ/asmitaj.py  
Deleted  
PS C:\Users\MITBIO\Desktop\AsmiaJ>
```

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Query 1 x

Limit to 1000 rows

```
1 • use nikkii;  
2 • select * from emp  
3
```

Result Grid

	Number	Name	Salary
▶	1	Asmita	100
	3	Sarvesh	300
	4	Adity	400
	5	Akhil	500

emp 22 x

Rea

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Minor: To push the code into github



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Git commands:

```
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PS C:\Users\MITBIO\Desktop\AsmitaJ> cd C:\Users\MITBIO\Desktop\Asmita_python
PS C:\Users\MITBIO\Desktop\Asmita_python> git init
Initialized empty Git repository in C:/Users/MITBIO/Desktop/Asmita_python/.git/
PS C:\Users\MITBIO\Desktop\Asmita_python> ls

Directory: C:\Users\MITBIO\Desktop\Asmita_python

Mode                LastWriteTime         Length Name
----                -
-a-----          29-11-2023    10:37           1199 asmitaj.py

PS C:\Users\MITBIO\Desktop\Asmita_python> git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    asmitaj.py

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\MITBIO\Desktop\Asmita_python> git add .\asmitaj.py
PS C:\Users\MITBIO\Desktop\Asmita_python> git commit -m "first commit"
[master (root-commit) a055e13] first commit
 1 file changed, 36 insertions(+)
 create mode 100644 asmitaj.py
PS C:\Users\MITBIO\Desktop\Asmita_python> git config -- global user:name AsmitaRJ
error: key does not contain a section: global
PS C:\Users\MITBIO\Desktop\Asmita_python> git config user:name AsmitaRJ
```

```
IS | dd cursor.execute( INSERT INTO emp VALUES (1, 'Asmita', 100) )

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS

PS C:\Users\MITBIO\Desktop\Asmita_python> git add .\asmitaj.py
PS C:\Users\MITBIO\Desktop\Asmita_python> git commit -m "first commit"
[master (root-commit) a055e13] first commit
 1 file changed, 36 insertions(+)
 create mode 100644 asmitaj.py
PS C:\Users\MITBIO\Desktop\Asmita_python> git config -- global user:name AsmitaRJ
error: key does not contain a section: global
PS C:\Users\MITBIO\Desktop\Asmita_python> git config user:name AsmitaRJ
error: key does not contain a section: user:name
PS C:\Users\MITBIO\Desktop\Asmita_python> git config --global user.name "AsmitaRJ"
PS C:\Users\MITBIO\Desktop\Asmita_python> git branch -M master
PS C:\Users\MITBIO\Desktop\Asmita_python> git remote add origin https://github.com/AsmitaRJ/Asmita_python.git
PS C:\Users\MITBIO\Desktop\Asmita_python> git remote add origin https://github.com/AsmitaRJ/Asmita_python.git
error: remote origin already exists.
PS C:\Users\MITBIO\Desktop\Asmita_python> git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 672 bytes | 672.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AsmitaRJ/Asmita_python.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
PS C:\Users\MITBIO\Desktop\Asmita_python>
```

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Urjaaaa first commit

a055e13 33 minutes ago 1 commit

asmitaj.py

first commit

33 minutes ago

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