

Python - MySQL Connectivity Steps with Output

Step 1: Install MySQL Connector for Python

Command:

```
pip install mysql-connector-python
```

Output:

```
Successfully installed mysql-connector-python-9.3.0  
[notice] A new release of pip is available: 25.0.1 -> 25.1.1
```

Step 2: Upgrade pip (Optional)

Command:

```
python -m pip install --upgrade pip
```

Output:

```
Successfully installed pip-25.1.1
```

Step 3: Install MySQL Connector for the Python Version Used in IDLE

Command:

```
C:\Users\sncs\AppData\Local\Programs\Python\Python311\python.exe -m pip install  
mysql-connector-python
```

Output:

```
Successfully installed mysql-connector-python-9.3.0
```

Step 4: Check Python Version in IDLE

Python Code:

```
import sys  
print(sys.executable)
```

Output:

```
C:\Users\sncs\AppData\Local\Programs\Python\Python311\pythonw.exe
```

Step 5: Test MySQL Connection from IDLE

Python Code:

```
import mysql.connector
```

try:

```
conn = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="Hemanth5321@"
```

```
)

if conn.is_connected():
    print("MySQL connection successful!")

except mysql.connector.Error as err:
    print(f"Error: {err}")

finally:
    if 'conn' in locals() and conn.is_connected():
        conn.close()
        print("Connection closed.")
```

Output:

```
MySQL connection successful!
Connection closed.
```