

Database Programming using Python

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- Requirement : mysql-connector-python-xx.msi
- <https://dev.mysql.com/downloads/connector/python/>
- Select OS and Python version
- mysql-connector-python-2.1.3-py3.4-win32.msi

Elements for DB Programs

- `mysql.connector`
- Package contains all class, method and function required for DB program
- `Import mysql.connector`

connect()

- connect() – used to make connection to database
- `db = mysql.connector.connect(user='root', password='', host='127.0.0.1', database='test')`

cursor()

- cursor() – keep track of where we are in db, it is like editor
- cursor = db.cursor()

execute()

- `execute()` – used to execute query on db query like create, alter, drop, insert, select, update, delete etc.
- `data = cursor.fetchone()`
- `print ("Database version : %s " % data)`

close()

- close() – used to close the active connection.
- db.close()

Code

```
import mysql.connector
db = mysql.connector.connect(user='root',
    password='root', host='127.0.0.1',
    database='test')
cursor = db.cursor()
cursor.execute("SELECT VERSION()")
data = cursor.fetchone()
print ("Database version : %s " % data)
db.close()
```


output

- Database version : 5.0.51b-community-nt

