MySQL with Python Connectivity Commands

#CREATE DATABASE

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345")
mycursor=mydb.cursor()
mycursor.execute("CREATE DATABASE SCHOOL")
```

 # SHOW DATABASE

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345")
mycursor=mydb.cursor()
mycursor.execute("SHOW DATABASE")
for x in mycursor:
  print (x)
```

 # CREATE TABLE

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("CREATE TABLE FEES (ROLLNO INTEGER(3),NAME VARCHAR(20),AMOUNT
INTEGER(10));")
```

 # SHOW TABLES

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("SHOW TABLES")
for x in mycursor:
  print(x)
```

#DESCRIBE TABLE

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("DESC STUDENT")
for x in mycursor:
 print(x)
```

 # SELECT QUERY

```
import mysql.connector
conn=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
c=conn.cursor()
c.execute("select * from student")
r=c.fetchone()
while r is not None:
   print(r)
   r=c.fetchone()
```

#WHERE CLAUSE

```
import mysql.connector
conn=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
if conn.is_connected==False:
   print("Error connecting to MYSQL DATABASE")
c=conn.cursor()
c.execute("select * from student where marks>90")
r=c.fetchall()
count=c.rowcount
print("total no of rows:",count)
for row in r:
  print(row)
```

 # DYNAMIC INSERTION i.e insert rows/records through python

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
r=int(input("enter the rollno"))
n=input("enter name")
m=int(input("enter marks"))
mycursor.execute("INSERT INTO student(rollno,name,marks) VALUES({},'{}',{})".format(r,n,m))
mydb.commit()
print(mycursor.rowcount,"RECORD INSERTED")
```

 # UPDATE COMMAND

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("UPDATE STUDENT SET MARKS=100 WHERE MARKS=40")
mydb.commit()
print(mycursor.rowcount,"RECORD UPDATED")
```

 # DELETE COMMAND

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("DELETE FROM STUDENT WHERE MARKS<50")
mydb.commit()
print(mycursor.rowcount,"RECORD DELETED")
```

 # DROP COMMAND

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("DROP TABLE STUDENT")
```

 # ALTER COMMAND

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",passwd="12345",database="student")
mycursor=mydb.cursor()
mycursor.execute("ALTER TABLE STUDENT ADD GRADE CHAR(3)")
```