

Connection between Python and Mysql

```
#install the MYSQL Python Library  
  
# pip install mysql-connector-python  
  
import mysql.connector  
  
# Connect to MySQL  
  
conn = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="Sakthigasc@786", # replace with your password  
    database="sak1"      # replace with your database  
)  
  
)
```

```
cursor = conn.cursor()
```

```
# Create table if not exists  
  
cursor.execute("""  
CREATE TABLE IF NOT EXISTS students (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(50),  
    age INT  
)  
""")
```

```
# Collect input from user  
  
name = input("Enter student name: ")  
age = int(input("Enter student age: "))
```

```
# Insert into table

cursor.execute("INSERT INTO students (name, age) VALUES (%s, %s)", (name, age))
conn.commit()

print("Data inserted successfully!")

# Fetch and display all records

cursor.execute("SELECT * FROM students")

for row in cursor.fetchall():
    print(row)

# Close connection

conn.close()
```