

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()
```