**Connecting Database using SQLite**

**Coding:**

**Models.py:**

from django.db import models

class MyModel(models.Model):

name = models.CharField(max\_length=100)

description = models.TextField()

def \_\_str\_\_(self):

return self.name

**views.py:**

from django.shortcuts import render,get\_object\_or\_404

from django.http import HttpResponse

from django.conf import settings

from .models import MyModel

def create(request):

if request.method == 'POST':

name = request.POST.get('name')

description = request.POST.get('description')

MyModel.objects.create(name=name, description=description)

return HttpResponse("Record created successfully")

return render(request, 'create.html')

def read(request):

objects = MyModel.objects.all()

return render(request, 'read.html', {'objects': objects})

def update(request, pk):

instance = get\_object\_or\_404(MyModel, pk=pk)

if request.method == 'POST':

name = request.POST.get('name')

description = request.POST.get('description')

instance.name = name

instance.description = description

instance.save()

return HttpResponse("Record updated successfully")

return render(request, 'update.html', {'instance': instance})

def delete(request, pk):

instance = get\_object\_or\_404(MyModel, pk=pk)

if request.method == 'POST':

instance.delete()

return HttpResponse("Record deleted successfully")

return render(request, 'delete.html', {'instance': instance})

**create.html:**

<!DOCTYPE html>

<html>

<head>

    <title>Create</title>

</head>

<body>

    <h1>Create Record</h1>

    <form method="post">

        {% csrf\_token %}

        Name: <input type="text" name="name"><br>

        Description: <textarea name="description"></textarea><br>

        <input type="submit" value="Submit">

    </form>

</body>

</html>

**read.html:**

<!DOCTYPE html>

<html>

<head>

    <title>Read</title>

</head>

<body>

    <h1>Read Records</h1>

    <ul>

    {% for object in objects %}

        <li>{{ object.name }} - {{ object.description }}</li>

    {% empty %}

        <li>No records found</li>

    {% endfor %}

    </ul>

</body>

</html>

**update.html:**

<!DOCTYPE html>

<html>

<head>

    <title>Update</title>

</head>

<body>

    <h1>Update Record</h1>

    <form method="post">

        {% csrf\_token %}

        Name: <input type="text" name="name" value="{{ instance.name }}"><br>

        Description: <textarea name="description">{{ instance.description }}</textarea><br>

        <input type="submit" value="Update">

    </form>

</body>

</html>

**delete.html:**

<!DOCTYPE html>

<html>

<head>

    <title>Delete</title>

</head>

<body>

    <h1>Delete Record</h1>

    <p>Are you sure you want to delete "{{ instance.name }}"?</p>

    <form method="post">

        {% csrf\_token %}

        <input type="submit" value="Delete">

    </form>

</body>

</html>