CRUD

Create

**1️⃣ models.py**

from django.db import models

class Student(models.Model):

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

email = models.EmailField()

phone = models.CharField(max\_length=15)

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

return self.name

**2️⃣ forms.py**

from django import forms

from .models import Student

class StudentForm(forms.ModelForm):

class Meta:

model = Student

fields = ['name', 'email', 'phone']

**3️⃣ views.py**

from django.shortcuts import render, redirect

from .forms import StudentForm

from .models import Student

*# create student*

def create\_student(request):

if request.method == "POST":

form = StudentForm(request.POST)

if form.is\_valid():

form.save()

return redirect('home') *# save হওয়ার পর home page এ যাবে*

else:

form = StudentForm()

return render(request, 'create\_student.html', {'form': form})

# home page: সব student দেখাবে

def home(request):

students = Student.objects.all()

return render(request, 'home.html', {'students': students})

**4️⃣ urls.py (app এর)**

from django.urls import path

from . import views

urlpatterns = [

path('home/', views.home, name='home'),

path('create/', views.create\_student, name='create\_student'),

]

**5️⃣ create\_student.html (template)**

<!DOCTYPE html>

<html>

<head>

<title>Create Student</title>

</head>

<body>

<h2>Create Student</h2>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit">Save</button>

</form>

<br>

<a href="{% url 'home' %}">Back to Home</a>

</body>

</html>

**6️⃣ home.html (template)**

<!DOCTYPE html>

<html>

<head>

<title>All Students</title>

</head>

<body>

<h2>All Students</h2>

<ul>

{% for student in students %}

<li>{{ student.name }} - {{ student.email }} - {{ student.phone }}</li>

{% empty %}

<li>No students yet.</li>

{% endfor %}

</ul>

<br>

<a href="{% url 'create\_student' %}">Add Student</a>

</body>

</html>

👉 এখন flow হবে এভাবে:

* http://127.0.0.1:8000/create/ → ফর্ম দেখাবে → submit করলে student save হবে।
* Save হলে redirect হবে http://127.0.0.1:8000/home/ এ → সব student দেখাবে।

Update:

**1️⃣ views.py (Update student view)**

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

from .forms import StudentForm

from .models import Student

def update\_student(request, id):

student = get\_object\_or\_404(Student, id=id) *# id অনুযায়ী student খুঁজে নাও*

if request.method == "POST":

form = StudentForm(request.POST, instance=student) *# instance দিয়ে form bind করো*

if form.is\_valid():

form.save()

return redirect('home') *# save হলে home page এ পাঠাবে*

else:

form = StudentForm(instance=student) *# GET request → form prefill*

return render(request, 'update\_student.html', {'form': form})

**2️⃣ urls.py (app)**

urlpatterns = [

path('home/', views.home, name='home'),

path('create/', views.create\_student, name='create\_student'),

path('update/<int:id>/', views.update\_student, name='update\_student'),

]

**3️⃣ update\_student.html (template)**

<!DOCTYPE html>

<html>

<head>

<title>Update Student</title>

</head>

<body>

<h2>Update Student</h2>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit">Update</button>

</form>

<br>

<a href="{% url 'home' %}">Back to Home</a>

</body>

</html>

**🔹 Flow**

1. Home page এ student এর পাশে **update link** থাকবে:

<a href="{% url 'update\_student' student.id %}">Edit</a>

1. Click করলে update\_student.html এ যাবে → form pre-filled থাকবে।
2. Submit করলে student update হবে এবং **home page** এ redirect করবে।