# 220962446 – Homework - WEEK9

**Question) Assume a table “Institutes” with institute\_id, name, and no\_of\_courses are the fields. Create a web page that retrieves all the data from “Institutes” table displays only Institute names in the list box.**

**Code)**

**Views.py**

from django.shortcuts import render

from .models import Institute

from .forms import InstituteForm

def institute\_list(request):

    selected\_institute = None

    if request.method == "POST":

        form = InstituteForm(request.POST)

        if form.is\_valid():

            selected\_institute = form.cleaned\_data["institute"]

    else:

        form = InstituteForm()

    return render(request, 'base.html', {'form': form, 'selected\_institute': selected\_institute})

**Urls.py**

from django.urls import path

from .views import institute\_list

urlpatterns = [

    path('', institute\_list, name='institute\_list'),

]

**Models.py**

from django.db import models

class Institute(models.Model):

    institute\_id = models.AutoField(primary\_key=True)

    name = models.CharField(max\_length=255)

    no\_of\_courses = models.IntegerField()

    def \_\_str\_\_(self):

        return self.name

**Forms.py**

from django import forms

from .models import Institute

class InstituteForm(forms.Form):

    institute = forms.ModelChoiceField(queryset=Institute.objects.all(), empty\_label="Select an Institute")

**Admin.py**

from django.contrib import admin

from .models import Institute

admin.site.register(Institute)

**Templates/base.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Institutes</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

    <div class="container mt-5">

        <div class="card shadow-lg p-4 bg-white rounded">

            <h2 class="text-center mb-4">Select an Institute</h2>

            <form method="POST" class="mb-3">

                {% csrf\_token %}

                <div class="mb-3">

                    {{ form.as\_p }}

                </div>

                <button type="submit" class="btn btn-primary w-100">Submit</button>

            </form>

            {% if selected\_institute %}

                <div class="alert alert-success mt-3 text-center">

                    <h4>You selected: <strong>{{ selected\_institute.name }}</strong></h4>

                    <p>No. of courses in the institute: <strong>{{ selected\_institute.no\_of\_courses }}</strong></p>

                </div>

            {% endif %}

        </div>

    </div>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

**Output)**

A screenshot of a computer

AI-generated content may be incorrect.