### LAB 10 HOME-ASSIGNMENT

Q1)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:

q1/urls.py

```
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
path('admin/', admin.site.urls),
path('', include('students.urls')),
]
```

# students/urls.py

```
from django.urls import path
from . import views
urlpatterns = [
path(", views.student_list, name='student_list'),
]
```

## students/forms.py

```
from django import forms
from .models import Student
class StudentForm(forms.ModelForm):
class Meta:
model = Student
fields = ['student_id', 'student_name', 'course_name', 'date_of_birth']
```

### students/views.py

```
from django.shortcuts import render, redirect
from .models import Student
from .forms import StudentForm
def student_list(request):
if request.method == "POST":
form = StudentForm(request.POST)
if form.is_valid():
form.save()
return redirect('student_list')
else:
form = StudentForm()
students = Student.objects.all()
```

return render(request, 'students/student\_list.html', {'form': form, 'students': students})

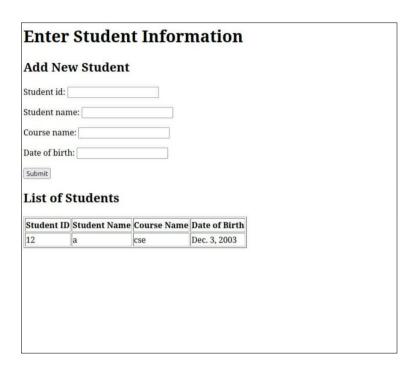
### students/models.py

```
from django.db import models
class Student(models.Model):
student_id = models.CharField(max_length=10, unique=True)
student_name = models.CharField(max_length=100)
course_name = models.CharField(max_length=100)
date_of_birth = models.DateField()
def __str__(self):
return self.student_name
```

### students\_list.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Student Information</title>
</head>
<body>
<h1>Enter Student Information</h1>
<h2>Add New Student</h2>
<form method="POST">
{% csrf_token %}
{{ form.as_p }}
<button type="submit">Submit</button>
</form>
<h2>List of Students</h2>
<thead>
Student ID
Student Name
Course Name
Date of Birth
</thead>
{% for student in students %}
{{ student.student_id }}
{{ student.student_name }}
{{ student.course_name }}
{{ student.date_of_birth }}
{% endfor %}
```





# Enter Student Information Add New Student Student Students C Student ID Student Name Course Name Date of Birth 12 a cse Dec. 3, 2003 13456 Abc Btech Dec. 8, 1994

