LAB9 HOME-ASSINGMENT

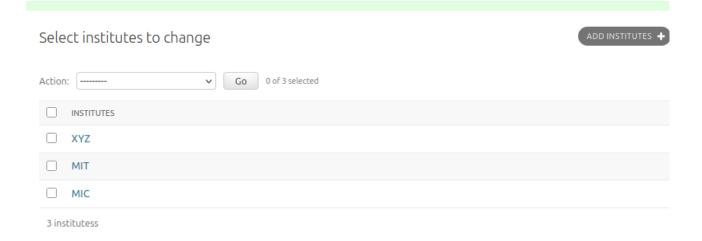
Q1)Assume a table "Institutes" with institute_id, name, and no_of_courses are the fields. Create a web page that retrieves all the data from "Institutes" table displays only Institute names in the list box.

```
CODE:
q1/urls.py
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
path('admin/', admin.site.urls),
path(", include('institutes.urls')),
]
instituates/urls.py
from django.urls import path
from . import views
urlpatterns = [
path(", views.index, name='index'),
path('get-institute/<int:pk>/', views.get_institute_details, name='get_institute_details'),
1
insitutute/views.py
from django.shortcuts import render, get_object_or_404
from django.http import JsonResponse
from .models import Institutes
def index(request):
institutes = Institutes.objects.all()
return render(request, 'institutes/index.html', {'institutes': institutes})
def get_institute_details(request, pk):
institute = get_object_or_404(Institutes, pk=pk)
data = {
'id': institute.institute_id,
'name': institute.name,
'no_of_courses': institute.no_of_courses,
return JsonResponse(data)
```

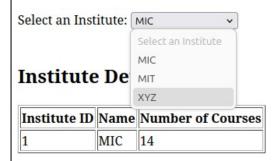
```
models.py
from django.db import models
class Institutes(models.Model):
institute_id = models.AutoField(primary_key=True)
name = models.CharField(max_length=100)
no_of_courses = models.IntegerField()
def __str__(self):
return self.name
insitute/forms.py
from django import forms
from .models import Institutes
class InstituteSelectForm(forms.Form):
  institute = forms.ModelChoiceField(
    queryset=Institutes.objects.all(),
    empty_label="Select an Institute",
    label="Institute",
    widget=forms.Select(attrs={'class': 'form-control'})
  )
index.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>
<script>
function fetchInstituteDetails() {
const instituteId = document.getElementById('institutes-list').value;
if (instituteId) {
fetch(`/get-institute/${instituteId}/`)
.then(response => response.json())
.then(data \Rightarrow {
document.getElementById('institute-details').innerHTML = `
${data.id}
${data.name}
${data.no_of_courses}
`;
});
} else {
document.getElementById('institute-details').innerHTML = ";
}
```

}

```
</script>
</head>
<body>
<h1>Institutes</h1>
<label for="institutes-list">Select an Institute:</label>
<select id="institutes-list" name="institutes" onchange="fetchInstituteDetails()">
<option value="" disabled selected>Select an Institute</option>
{% for institute in institutes %}
<option value="{{ institute.institute_id }}">{{ institute.name }}</option>
{% endfor %}
</select>
<br><br>>
<h2>Institute Details</h2>
<thead>
Institute ID
Name
Number of Courses
</thead>
</body>
</html>
```



Institutes



Institutes

Select an Institute: MIT V

Institute Details

Institute ID	Name	Number of Courses
2	MIT	20