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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.
i)settings.py

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'institutes',
]
```

ii) InstituteSite/urls.py

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

iii) institutes/urls.py

```
from django.urls import path
from .views import institute_list

urlpatterns = [
    path('', institute_list, name='institute_list'),
]
```

iv) views.py

```
from django.shortcuts import render
from .models import Institute

def institute_list(request):
    institutes = Institute.objects.all()
    return render(request, 'institutes/list.html', {'institutes': institutes})
```

iv) 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
```

v) admin.py
```
from django.contrib import admin
from .models import Institute
admin.site.register(Institute)
```

vi) list.html
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Institute List</title>
</head>
<body>
    <h2>Select an Institute</h2>
    <select>
        {% for institute in institutes %}
            <option value="{{ institute.id }}">{{ institute.name }}</option>
        {% endfor %}
    </select>
</body>
</html>
```

vii) Screenshots