

1 ) `django-admin startproject crudexample`

2 ) `python3 manage.py startapp employee`

-----**Model.py**-----

```
from django.db import models
```

```
class Employee(models.Model):
```

```
    eid = models.CharField(max_length=20)
```

```
    ename = models.CharField(max_length=100)
```

```
    eemail = models.EmailField()
```

```
    econtact = models.CharField(max_length=15)
```

```
class Meta:
```

```
    db_table = "employee"
```

---

-----**forms.py**-----

```
from django import forms
```

```
from employee.models import Employee
```

```
class EmployeeForm(forms.ModelForm):
```

```
class Meta:
```

```
    model = Employee
```

```
    fields = "__all__"
```

-----**views.py**-----

```
from django.shortcuts import render, redirect
```

```
from employee.forms import EmployeeForm
```

```
from employee.models import Employee
```

```
# Create your views here.
```

```
def emp(request):
```

```
    if request.method == "POST":
```

```
        form = EmployeeForm(request.POST)
```

```
        if form.is_valid():
```

```
            try:
```

```
                form.save()
```

```
                return redirect('/show')
```

```
            except:
```

```
                pass
```

```
        else:
```

```
            form = EmployeeForm()
```

```
            return render(request, 'index.html', {'form': form})
```

```
def show(request):
```

```
    employees = Employee.objects.all()
```

```
    return render(request, "show.html", {'employees': employees})
```

```
def edit(request, id):
```

```
employee = Employee.objects.get(id=id)
```

```
return render(request, 'edit.html', {'employee': employee})
```

```
def update(request, id):
```

```
    employee = Employee.objects.get(id=id)
```

```
    form = EmployeeForm(request.POST, instance = employee)
```

```
    if form.is_valid():
```

```
        form.save()
```

```
        return redirect("/show")
```

```
    return render(request, 'edit.html', {'employee': employee})
```

```
def destroy(request, id):
```

```
    employee = Employee.objects.get(id=id)
```

```
    employee.delete()
```

```
    return redirect("/show")
```

```
-----urls.py-----
```

```
from django.urls import path
```

```
from employee import views
```

```
urlpatterns = [
```

```
    path('admin/', admin.site.urls),
```

```
    path('emp', views.emp),
```

```
    path('show', views.show),
```

```
path('edit/<int:id>', views.edit),

path('update/<int:id>', views.update),

path('delete/<int:id>', views.destroy),

]
```

-----**index.html**-----

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Index</title>

    {% load staticfiles %}

    <link rel="stylesheet" href="{% static 'css/style.css' %}" />

</head>

<body>

<form method="POST" class="post-form" action="/emp">

    {% csrf_token %}

    <div class="container">

<br>

    <div class="form-group row">

    <label class="col-sm-1 col-form-label"></label>
```

```
<div class="col-sm-4">
```

```
<h3>Enter Details</h3>
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label class="col-sm-2 col-form-label">Employee Id:</label>
```

```
<div class="col-sm-4">
```

```
{{ form.eid }}
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label class="col-sm-2 col-form-label">Employee Name:</label>
```

```
<div class="col-sm-4">
```

```
{{ form.ename }}
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label class="col-sm-2 col-form-label">Employee Email:</label>
```

```
<div class="col-sm-4">
```

```
{{ form.email }}
```

</div>

</div>

<div class="form-group row">

<label class="col-sm-2 col-form-label">Employee Contact:</label>

<div class="col-sm-4">

{{ form.econtact }}

</div>

</div>

<div class="form-group row">

<label class="col-sm-1 col-form-label"></label>

<div class="col-sm-4">

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

</div>

</div>

</div>

</form>

</body>

</html>

-----show.html-----

<!DOCTYPE html>

```
<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Employee Records</title>

    {% load staticfiles %}

    <link rel="stylesheet" href="{% static 'css/style.css' %}"/>

</head>

<body>

    <table class="table table-striped table-bordered table-sm">

        <thead class="thead-dark">

            <tr>

                <th>Employee ID</th>

                <th>Employee Name</th>

                <th>Employee Email</th>

                <th>Employee Contact</th>

                <th>Actions</th>

            </tr>

        </thead>

        <tbody>

            {% for employee in employees %}
```

```

<tr>

    <td>{{ employee.eid }}</td>

    <td>{{ employee.ename }}</td>

    <td>{{ employee.eemail }}</td>

    <td>{{ employee.econtact }}</td>

    <td>

        <a href="/edit/{{ employee.id }}"><span class="glyphicon glyphicon-pencil">Edit</span>

an></a>

        <a href="/delete/{{ employee.id }}">Delete</a>

    </td>

</tr>

{% endfor %}

</tbody>

</table>

<br>

<br>

<center><a href="/emp" class="btn btn-primary">Add New Record</a></center>

</body>

</html>

```

-----Edit.html-----



```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <title>Index</title>
```

```
  {% load staticfiles %}
```

```
  <link rel="stylesheet" href="{% static 'css/style.css' %}" />
```

```
</head>
```

```
<body>
```

```
<form method="POST" class="post-form" action="/update/{{employee.id}}">
```

```
  {% csrf_token %}
```

```
  <div class="container">
```

```
<br>
```

```
  <div class="form-group row">
```

```
    <label class="col-sm-1 col-form-label"></label>
```

```
    <div class="col-sm-4">
```

```
      <h3>Update Details</h3>
```

```
    </div>
```

```
</div>
```

```
  <div class="form-group row">
```

```
<label class="col-sm-2 col-form-label">Employee Id:</label>
```

```
<div class="col-sm-4">
```

```
    <input type="text" name="eid" id="id_eid" required maxlength="20" value="{{ employee.eid }}" />
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
    <label class="col-sm-2 col-form-label">Employee Name:</label>
```

```
    <div class="col-sm-4">
```

```
        <input type="text" name="ename" id="id_ename" required maxlength="100" value="{{ employee.ename }}" />
```

```
    </div>
```

```
</div>
```

```
<div class="form-group row">
```

```
    <label class="col-sm-2 col-form-label">Employee Email:</label>
```

```
    <div class="col-sm-4">
```

```
        <input type="email" name="email" id="id_email" required maxlength="254" value="{{ employee.email }}" />
```

```
    </div>
```

```
</div>
```

```
<div class="form-group row">

<label class="col-sm-2 col-form-label">Employee Contact:</label>

<div class="col-sm-4">

    <input type="text" name="econtact" id="id_econtact" required maxlength="15" value="{{
employee.econtact }}" />

</div>

</div>

<div class="form-group row">

<label class="col-sm-1 col-form-label"></label>

<div class="col-sm-4">

<button type="submit" class="btn btn-success">Update</button>

</div>

</div>

</div>

</form>

</body>

</html>
```