

First of all install `django` for this open command prompt and go to d: drive and type following commands :-

Step 1:-

```
D:\>python -m venv env
```

Step 2:-

```
D:\>env\Scripts\activate
```

Step 3:-

```
D:\>pip install django
```

To create a Django application that performs "insert from html form to database"

## 1. Create a Project

Use command `django-admin startproject crudexample`

As shown below in command prompt

```
C:\Users\software>d:  
D:\>django-admin startproject crudexample
```

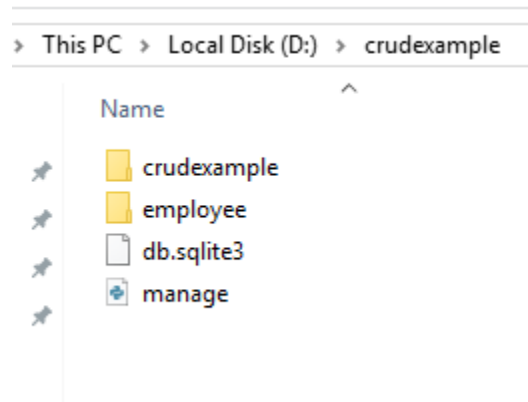
## 2. Create an App

Use command `python manage.py startapp employee`

As shown below.

```
D:\>cd crudexample
D:\crudexample>python manage.py startapp employee
```

Now open your project folder you will see structure look like this



Now under employee folder create templates folder as shown below

PC > Local Disk (D:) > crudexample > employee

Name	Date
__pycache__	10/2
migrations	10/2
templates	10/2
__init__	10/2
admin	10/2
apps	10/2
models	10/2
tests	10/2
views	10/2

and under **templates** folder create index.html file as shown below

› This PC > Local Disk (D:) > crudexample > employee > templates

Name	Date modified
index	10/27/2022 2:35 PM

Code for index.html file:-

```
<html>
  <head>

  </head>
  <body>
    <h1> hello world</h1>
  </body>
</html>
```

Now open settings.py file of project folder (**crudexample**)

:-

Add 'employee' (app name ) as shown below

```
# Application definition

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

Now open views.py file of your employee (app folder ) type following code :-

```
from django.shortcuts import render

# Create your views here.

def emp(request):
    return render(request, 'index.html')
```

now open urls.py file of your project folder (crudexample) type following code:-

```
from django.contrib import admin
from django.urls import path
from employee import views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', views.emp)
]
```

Now runs your project as shown below:-

```
C:\Users\software>d:
D:\>cd crudexample
D:\crudexample>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly without these migrations:
  auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
October 27, 2022 - 14:50:58
Django version 4.1, using settings 'crudexample.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Now How to add record into database ?

Step 1:-

Write code in `models.py` file under (example) app folder :-

```
from django.db import models

# Create your models here.
class Members(models.Model):
    firstname = models.CharField(max_length=255)
    lastname = models.CharField(max_length=255)
```

step 2:-

register it under `admin.py` file code:-

```
from django.contrib import admin

from employee.models import Members

# Register your models here.
admin.site.register(Members)
```

step 3:-

create `add.htm` file under templates folder :-

```
<h1>Add member</h1>

<form action="addrecord/" method="post">
{% csrf_token %}
First Name:<br>
<input name="first">
<br><br>
Last Name:<br>
<input name="last">
<br><br>
<input type="submit" value="Submit">
</form>
{{data}}
```

Step 4:- write code in `urls.py` file under project folder (crudexample):-

```
from django.contrib import admin
from django.urls import path
from employee import views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', views.emp),
    path('add/', views.add, name='add'),
    path('add/addrecord/', views.addrecord, name='addrecord'),
]
```

Step 5:-

Write code in `views.py` file under your app folder (`employee`)

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

# Create your views here.

def emp(request):
```

```
        return render(request, 'index.html')
def add(request):
    return render(request, 'add.html')

def addrecord(request):
    x = request.POST['first']
    y = request.POST['last']
    member = Members(firstname=x, lastname=y)
    member.save()
    data="inserted"
    return render(request, 'add.html', {'data':data})
```