DJango insert, update, delete, display examples with mysql database:-

D:\> mkdir myap

D:\myap>cd myap

D:\myap>python -m venv env

D:\myap>env\Scripts\activate

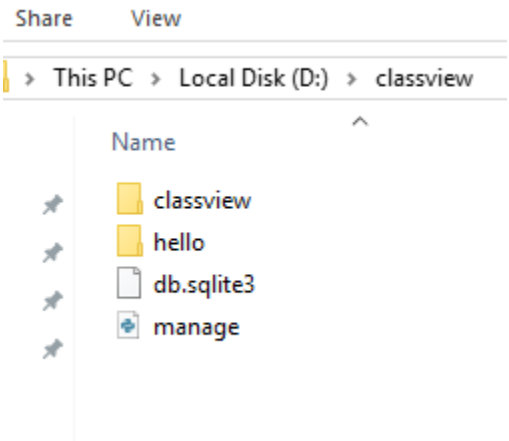
D:myap>pip install django

D:\myap>django-admin startproject classview

D:\myap>cd classview

D:\myap\classview>python manage.py startapp hello

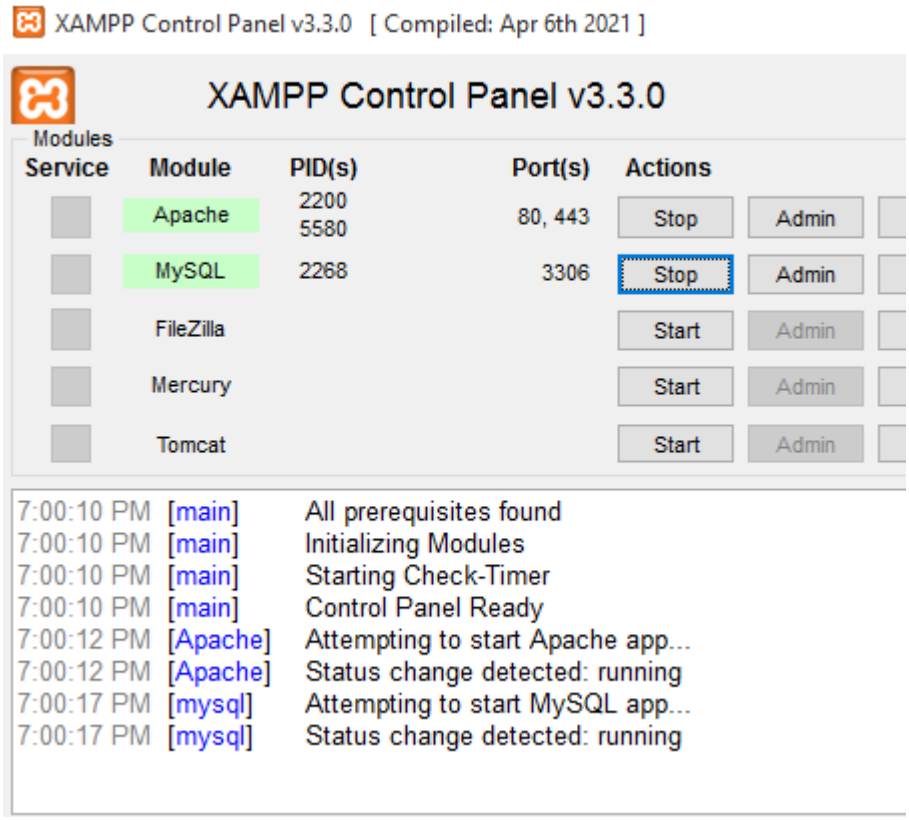
After it you will see following structure .



Django MySQL – How to Set up Django to use a Database in xampp?

Step 1:-

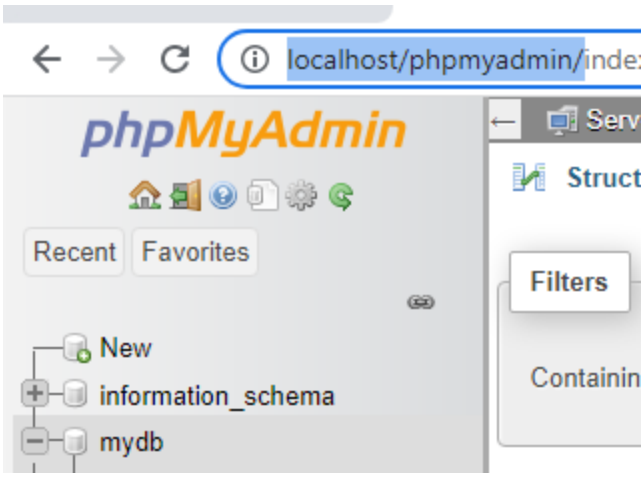
run xampp and start apache and mysql as shown below:-



Step 2:- open any browser and type http://localhost/phpmyadmin/

&

Create database “mydb” in phpmyadmin as shown below :-



Step 3:-

Go to your project folder and in settings.py file make following changes as shown below.

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'mydb',
        'USER':'root',
        'PASSWORD':'',
        'HOST':'localhost',
        'PORT': '3306',
    }
}
```

Step 4:- after that run following commands as shown below.

First run command

py manage.py makemigrations

after it run command

py manage.py migrate

as shown below:-

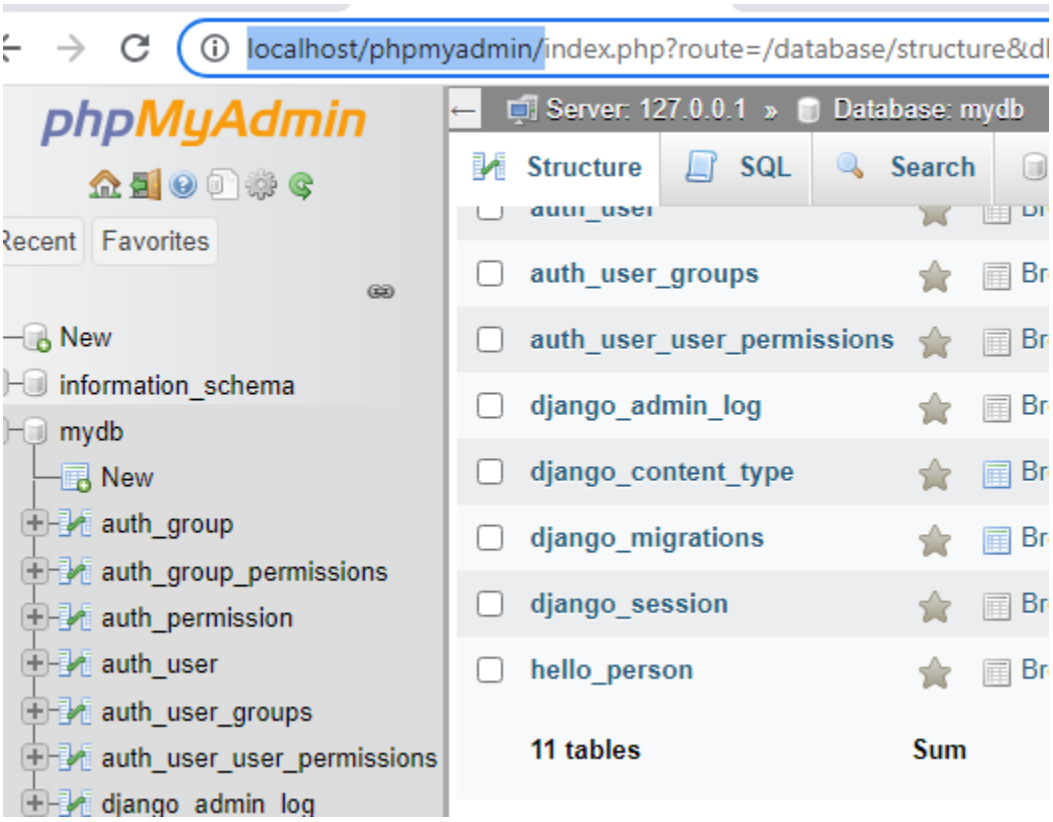
```
D:\classview>py manage.py makemigrations
Migrations for 'hello':
  hello\migrations\0001_initial.py
    - Create model Person

D:\classview>py manage.py migrate
```

After it open your

http://localhost/phpmyadmin/

you will see your table is created as shown below.



After it open your hello(app) folder and write following code in models.py file :-

```
from django.db import models

# Create your models here.

class Person(models.Model):
    first_name = models.CharField(max_length=30)
    last_name = models.CharField(max_length=30)
```

after it open views.py file of hello app folder and write following code:-

```
from django.views.generic import TemplateView
from django.http import HttpResponse,HttpResponseRedirect
from django.template import loader
from django.shortcuts import render


from .models import Person
from django.urls import reverse


def add(request):

  return render(request,'add.html')

def addrecord(request):
  x = request.POST['first']
  y = request.POST['last']
  member = Person(first_name=x, last_name=y)
  member.save()
  return HttpResponse("record inserted")


def index(request):
  mymembers = Person.objects.all().values()
  template = loader.get_template('index.html')
  context = {
    'mymembers': mymembers
  }
  return HttpResponse(template.render(context, request))

def delete(request, id):
```

```
  member = Person.objects.get(id=id)
  member.delete()
  return HttpResponseRedirect(reverse('index'))

def update(request, id):
  mymember = Person.objects.get(id=id)
  template = loader.get_template('update.html')
  context = {
    'mymember': mymember,
  }
  return HttpResponse(template.render(context, request))

def updaterecord(request, id):
  first = request.POST['first']
  last = request.POST['last']
  member = Person.objects.get(id=id)
  member.first_name = first
  member.last_name = last
  member.save()
  return HttpResponseRedirect(reverse('index'))
```

after it open urls.py file of your hello app folder and write following code:-

```
from django.urls import path
from hello.views import AboutView,ContactView
from . import views


urlpatterns = [

      path('add/', views.add, name='add'),
        path('add/addrecord/', views.addrecord, name='addrecord'),
 path('', views.index, name='index'),
 path('delete/<int:id>', views.delete, name='delete'),
  path('update/<int:id>', views.update, name='update'),
    path('update/updaterecord/<int:id>', views.updaterecord,
name='updaterecord'),


]
```

After it open urls.py file of your project folder and write code:-

```
from django.contrib import admin
from django.urls import path,include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('hello/',include('hello.urls')),
]
```

In your hello app folder inside template folder create file add.html :-

```
<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}}
```

And create file update.html :-

```
<h1>Update member</h1>

<form action="updaterecord/{{ mymember.id }}" method="post">
{% csrf_token %}
First Name:<br>
<input name="first" value="{{ mymember.first_name }}">
<br><br>
Last Name:<br>
<input name="last" value="{{ mymember.last_name }}">
<br><br>
<input type="submit" value="Submit">
</form>
```

And create index.html file :-

```
<html>
<head>
{% load static %}
<link rel="stylesheet" href="{% static 'myfirst.css' %}">


</head>
<body>
<h1>Members</h1>

<table border="1">
{% for x in mymembers %}
<tr>
<td><a href="update/{{ x.id }}">{{ x.id }}</a></td>
<td>{{ x.first_name }}</td>
<td>{{ x.last_name }}</td>
<td><a href="delete/{{ x.id }}">delete</a>
</tr>
{% endfor %}
</table>

<p>
<a href="add/">Add member</a>
</p>
```

And now run your project by using command py manage.py runserver as shown below :-

```
D:\>cd classview

D:\classview>py manage.py runserver
```

http://127.0.0.1:8000/hello/