

Django Home Work 3

What is the main purpose behind using the virtual environment?

The main purpose is can have its own independent set of installed Python packages in its site directories and lets the user have control over all the necessary packages and particular versions.

How to create a virtual environment?

- Create a project directory
- Change into the project directory
- Open Windows PowerShell
- Write this command [python –m even env]

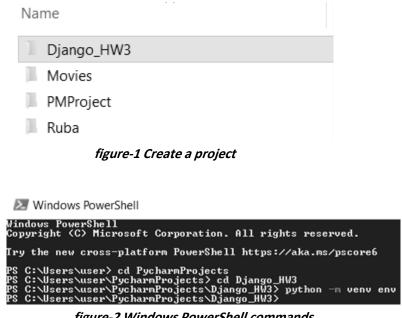


figure-2 Windows PowerShell commands

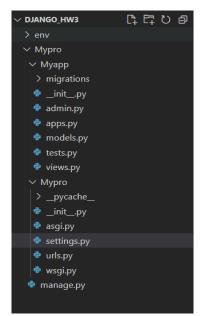


figure-3 Visual Studio Code



Task#2: Apply CRUD on ToDoList Project

```
In [2]: from To_Do_listApp.models import ToDo
In [3]: td = ToDo.objects.create(To_Do="go to shopping")
In [4]: td = ToDo.objects.create(To_Do="check my email")
In [5]: td = ToDo.objects.create(To_Do="doing exercises")
```

figure-4 create objects

figure-5 table for model ToDo

```
In [10]: ToDo.objects.filter(To_Do="check my email")
Out[10]: <QuerySet [<ToDo: check my email>, <ToDo: check my email>, <ToDo: check my email>, <ToDo.objects.filter(To_Do="check my email").delete()
Out[11]: (4, {'To_Do_listApp.ToDo': 4})</pre>
```

figure-6 filter(), delete

```
In [13]: ToDo.objects.filter(To_Do="go to shopping>").update(To_Do='go to sleep')
Out[13]: 0
In [14]:
```

figure-7 update()



_	•	•				
v	Δ t	Ω.	rΔ	n	ce	•
11	-1	$\overline{}$. –		\cdot	_

- https://docs.python.org/3/library/venv.html
- https://peps.python.org/pep-0405/
- https://github.com/Tuwaiq-Python/main/tree/main/Django