

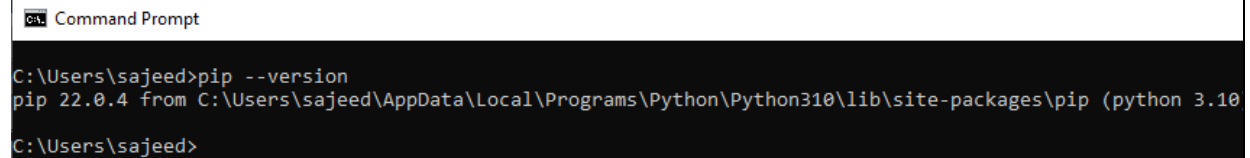
Django setup

Check pip version

```
C:\Users\sajeed>pip --version
```

```
pip 22.0.4 from
```

```
C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
```



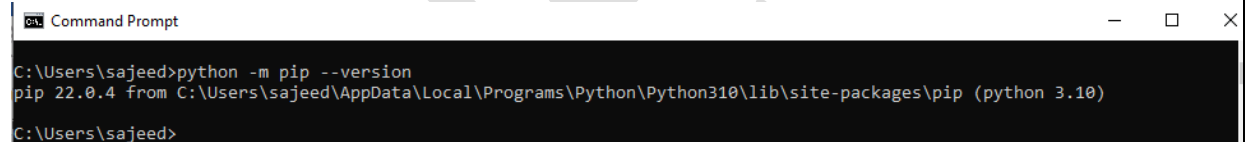
```
Command Prompt
C:\Users\sajeed>pip --version
pip 22.0.4 from C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
C:\Users\sajeed>
```

Or

```
C:\Users\sajeed>python -m pip --version
```

```
pip 22.0.4 from
```

```
C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
```



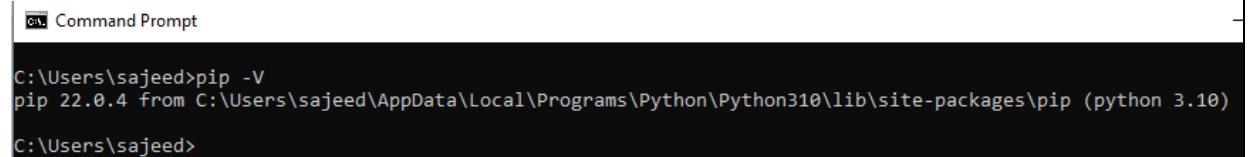
```
Command Prompt
C:\Users\sajeed>python -m pip --version
pip 22.0.4 from C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
C:\Users\sajeed>
```

Or

```
C:\Users\sajeed>pip -V
```

```
pip 22.0.4 from
```

```
C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
```



```
Command Prompt
C:\Users\sajeed>pip -V
pip 22.0.4 from C:\Users\sajeed\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)
C:\Users\sajeed>
```

Check Django Version

```
C:\Users\sajeed>python -m django --version
```

```
C:\Users\sajeed\AppData\Local\Programs\Python\Python310\python.exe: No module named django
```

Install Django

```
C:\Users\sajeed>pip install django
```

```
Collecting django
```

```
  Downloading Django-4.0.4-py3-none-any.whl (8.0 MB)
```

```
----- 8.0/8.0 MB 219.1 kB/s eta 0:00:00
```

```
Collecting tzdata
```

```
  Downloading tzdata-2022.1-py2.py3-none-any.whl (339 kB)
```

```
----- 339.5/339.5 KB 178.5 kB/s eta 0:00:00
```

```
Collecting sqlparse>=0.2.2
```

```
  Downloading sqlparse-0.4.2-py3-none-any.whl (42 kB)
```


```
----- 42.3/42.3 KB 120.6 kB/s eta 0:00:00
```

```
Collecting asgiref<4,>=3.4.1
```

```
  Downloading asgiref-3.5.0-py3-none-any.whl (22 kB)
```

```
Installing collected packages: tzdata, sqlparse, asgiref, django
```

```
Successfully installed asgiref-3.5.0 django-4.0.4 sqlparse-0.4.2 tzdata-2022.1
```

 Command Prompt

```
C:\Users\sajeed>pip install django
```

```
Collecting django
```

```
  Downloading Django-4.0.4-py3-none-any.whl (8.0 MB)
```

```
----- 8.0/8.0 MB 219.1 kB/s eta 0:00:00
```

```
Collecting tzdata
```

```
  Downloading tzdata-2022.1-py2.py3-none-any.whl (339 kB)
```

```
----- 339.5/339.5 KB 178.5 kB/s eta 0:00:00
```

```
Collecting sqlparse>=0.2.2
```

```
  Downloading sqlparse-0.4.2-py3-none-any.whl (42 kB)
```

```
----- 42.3/42.3 KB 120.6 kB/s eta 0:00:00
```

```
Collecting asgiref<4,>=3.4.1
```

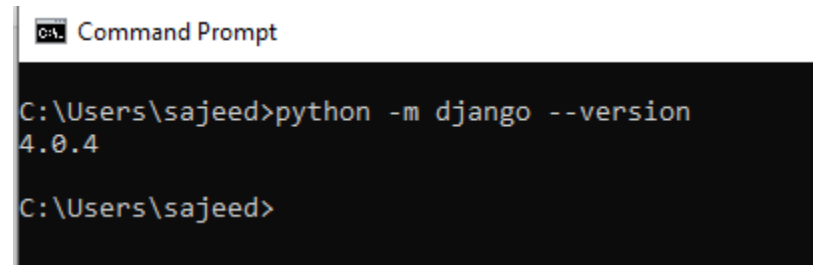
```
  Downloading asgiref-3.5.0-py3-none-any.whl (22 kB)
```

```
Installing collected packages: tzdata, sqlparse, asgiref, django
```

```
Successfully installed asgiref-3.5.0 django-4.0.4 sqlparse-0.4.2 tzdata-2022.1
```

Check Django Version

```
C:\Users\sajeed>python -m django --version  
4.0.4
```



The screenshot shows a Windows Command Prompt window with a black background and white text. The title bar reads "C:\ Command Prompt". The command prompt shows the command `C:\Users\sajeed>python -m django --version` being entered, followed by the output `4.0.4`. The prompt then returns to `C:\Users\sajeed>`.

```
C:\Users\sajeed>python -m django --version  
4.0.4  
C:\Users\sajeed>
```

Creating First Django Project

01. Create a Folder

02. Open CMD from current folder

03. Check Django Version from Current folder

```
D:\Python Github\DjangoProjects>python -m django --version 4.0.4
```

04. Create Virtual Environment

```
D:\Python Github\DjangoProjects>python -m venv env
```

PC > Saif (D:) > Python Github > DjangoProjects

Name	Date modified	Type	Size
env	4/20/2022 11:38 AM	File folder	


```

C:\Windows\System32\cmd.exe

D:\Python Github\DjangoProjects>python -m venv env

D:\Python Github\DjangoProjects>

```

Note: Make sure to "active" the virtual environment before you start working on a project

05. Enter into env folder

06. Enter into Scripts folder

PC > Saif (D:) > Python Github > DjangoProjects > env > Scripts

Name	Date modified	Type	Size
activate	4/20/2022 11:38 AM	File	3 KB
activate	4/20/2022 11:38 AM	Windows Batch File	1 KB
Activate	4/20/2022 11:38 AM	Windows PowerS...	21 KB
deactivate	4/20/2022 11:38 AM	Windows Batch File	1 KB
pip	4/20/2022 11:38 AM	Application	104 KB
pip3.10	4/20/2022 11:38 AM	Application	104 KB
pip3	4/20/2022 11:38 AM	Application	104 KB
python	4/20/2022 11:38 AM	Application	257 KB
pythonw	4/20/2022 11:38 AM	Application	246 KB

07. Open CMD from Scripts folder

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

D:\Python Github\DjangoProjects\env\Scripts>
```

08. activate

```
D:\Python Github\DjangoProjects\env\Scripts>activate
```

```
(env) D:\Python Github\DjangoProjects\env\Scripts>
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

D:\Python Github\DjangoProjects\env\Scripts>activate
(env) D:\Python Github\DjangoProjects\env\Scripts>
```

09. pip install django

```
(env) D:\Python Github\DjangoProjects\env\Scripts>pip install django
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

D:\Python Github\DjangoProjects\env\Scripts>activate
(env) D:\Python Github\DjangoProjects\env\Scripts>pip install django
Collecting django
  Using cached Django-4.0.4-py3-none-any.whl (8.0 MB)
Collecting asgiref<4,>=3.4.1
  Using cached asgiref-3.5.0-py3-none-any.whl (22 kB)
Collecting tzdata
  Using cached tzdata-2022.1-py2.py3-none-any.whl (339 kB)
Collecting sqlparse>=0.2.2
  Using cached sqlparse-0.4.2-py3-none-any.whl (42 kB)
Installing collected packages: tzdata, sqlparse, asgiref, django
Successfully installed asgiref-3.5.0 django-4.0.4 sqlparse-0.4.2 tzdata-2022.1
(env) D:\Python Github\DjangoProjects\env\Scripts>
```

10.Create Project

```
(env) D:\Python Github\DjangoProjects\env\Scripts>django-admin startproject Project01
```

```
(env) D:\Python Github\DjangoProjects\env\Scripts>
```

```
C:\Windows\System32\cmd.exe

(env) D:\Python Github\DjangoProjects\env\Scripts>django-admin startproject Project01

(env) D:\Python Github\DjangoProjects\env\Scripts>
```

PC > Saif (D:) > Python Github > DjangoProjects > env > Scripts

Name	Date modified	Type	Size
Project01	4/20/2022 12:01 PM	File folder	
activate	4/20/2022 11:38 AM	File	3 KB
activate	4/20/2022 11:38 AM	Windows Batch File	1 KB
Activate	4/20/2022 11:38 AM	Windows PowerS...	21 KB
deactivate	4/20/2022 11:38 AM	Windows Batch File	1 KB
django-admin	4/20/2022 11:56 AM	Application	104 KB
pip	4/20/2022 11:38 AM	Application	104 KB
pip3.10	4/20/2022 11:38 AM	Application	104 KB
pip3	4/20/2022 11:38 AM	Application	104 KB
python	4/20/2022 11:38 AM	Application	257 KB
pythonw	4/20/2022 11:38 AM	Application	246 KB
sqlformat	4/20/2022 11:56 AM	Application	104 KB

11.Enter into Project folder

PC > Saif (D:) > Python Github > DjangoProjects > env > Scripts > Project01

Name	Date modified	Type	Size
Project01	4/20/2022 12:01 PM	File folder	
manage	4/20/2022 12:01 PM	JetBrains PyChar...	1 KB

12. Open CMD from Project01 folder and type: `python manage.py runserver`

```
(env) D:\Python Github\DjangoProjects\env\Scripts\Project01>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 until  
you apply the migrations for app(s): admin, auth, contenttypes, sessions.  
Run 'python manage.py migrate' to apply them.
```

```
April 20, 2022 - 12:06:36
```

```
Django version 4.0.4, using settings 'Project01.settings'
```

```
Starting development server at http://127.0.0.1:8000/
```

```
Quit the server with CTRL-BREAK.
```

```
[20/Apr/2022 12:06:49] "GET / HTTP/1.1" 200 10697
```

```
[20/Apr/2022 12:06:49] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
```

```
[20/Apr/2022 12:06:49] "GET /static/admin/fonts/Roboto-Bold-webfont.woff  
HTTP/1.1" 200 86184
```

```
[20/Apr/2022 12:06:49] "GET /static/admin/fonts/Roboto-Regular-webfont.woff  
HTTP/1.1" 200 85876
```

```
[20/Apr/2022 12:06:49] "GET /static/admin/fonts/Roboto-Light-webfont.woff  
HTTP/1.1" 200 85692
```

```
Not Found: /favicon.ico
```

```
[20/Apr/2022 12:06:50] "GET /favicon.ico HTTP/1.1" 404 2113
```

