24 - 07 - 24

Practical 1: Creating a Private Server

1. Using Node JS

Step 1

```
Your environment has been set up for using Node.js 18.17.0 (x64) and npm.

C:\Users\Admin>mkdir myapp

C:\Users\Admin>cd myapp
```

Step 2

```
C:\Users\Admin\myapp>npm install express
added 64 packages in 2s

12 packages are looking for funding
  run 'npm fund' for details
```

Step 3

Create a server.js file in the same directory with the following code:

```
const express = require('express');
const app = express();
const PORT = 8080;

app.get('/', (req, res) => {
    res.send(`<h1 style="color: green;">Hello Gfg!</h1>`);
});

app.listen(PORT, () => {
    console.log(`Server is listening at http://localhost:${PORT}`);
});
```

Step 4:

And the server is created using JavaScript

```
C:\Users\Admin\myapp>node server.js
Server is listening at http://localhost:3000
```

```
C:\Users\Admin>mkdir pracib

C:\Users\Admin>raclpoplopev install djange

Creating a virtualenv for Civisers\Admin\ppaclbpipite

Using default python from C:\Users\Admin\ppaclbpipite

= creating virtual environment..created virtual environment CPython3.11.5.final.9-60 in 1859ms

creator CPython3Windows(dest-Ci\Users\Admin\ppaclbpipite)

seeder FromAppData(download=False, pip=bundle, setuptool=s=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\Admin\AppData\Local\pypa\virtualenv)

added seed packages: jni=224.1, setuptool=s=01.8, wheel=00.8, %

activators BashActivator,BatchActivator,FishActivator,MushellActivator,PowerShellActivator,PythonActivator

Successfully created virtual environment!

Virtualenv bocation: c:\Users\Admin\virtualenvs\praclb-qqu_h3nv

Creating a Pipfile for this project...

Installing django...

Resolving django...

Resolving django...

Building requirements...

Resolving dependencies...

Building requirements...

Resolving dependencies...

Usokade django dependencies...

Usokade django dependencies...

Building requirements...

Resolving dependencies...

Resolving dependencies...

Usokade django...

Resolving dependencies...

Installing dependencies...

Installing dependencies...

Installing dependencies from Pipfile.lock (6362fc)...

C:\Users\Admin\praclbpipopov shell

Launching subshell in virtual environment...

Microsoft Users\Admin\praclbpipov shell

Launching subshell in virtual environment...

Microsoft Users\Admin\praclbo>django-admin startproject praclb ...

(praclb-qu_h3nv) C:\Users\Admin\praclbo>django-admin startproject praclb ...
```

```
C:\Users\Admin\praclb>pipenv shell
Launching subshell in virtual environment...
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

(praclb-qqu_h3nv) C:\Users\Admin\praclb>django-admin startproject praclb .

(praclb-qqu_h3nv) C:\Users\Admin\praclb>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.
July 24, 2024 - 18:09:03
Django version 5.0.7, using settings 'praclb.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

[24/Jul/2024 18:09:19] "GET / HTTP/1.1" 200 10629
Not Found: /favicon.ico
[24/Jul/2024 18:09:19] "GET / ffavicon.ico HTTP/1.1" 404 2110
```

```
orac1b-qqu_h3nv) C:\Users\Admin\prac1b>django-admin startproject prac1b
oraclb-qqu_h3nv) C:\Users\Admin\praclb>python manage.py runserver atching for file changes with StatReloader erforming system checks...
 stem check identified no issues (0 silenced).
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24/Jul/2024 18:09:19] "GET /favicon.ico HTTP/1.1" 404 2110
```





The install worked successfully! Congratulations! You are seeing this page because <u>DEBUG=True</u> is in your settings file and you have not configured any URLs.





