

Date – 01/06/2021

Name – Vishal Prajapati

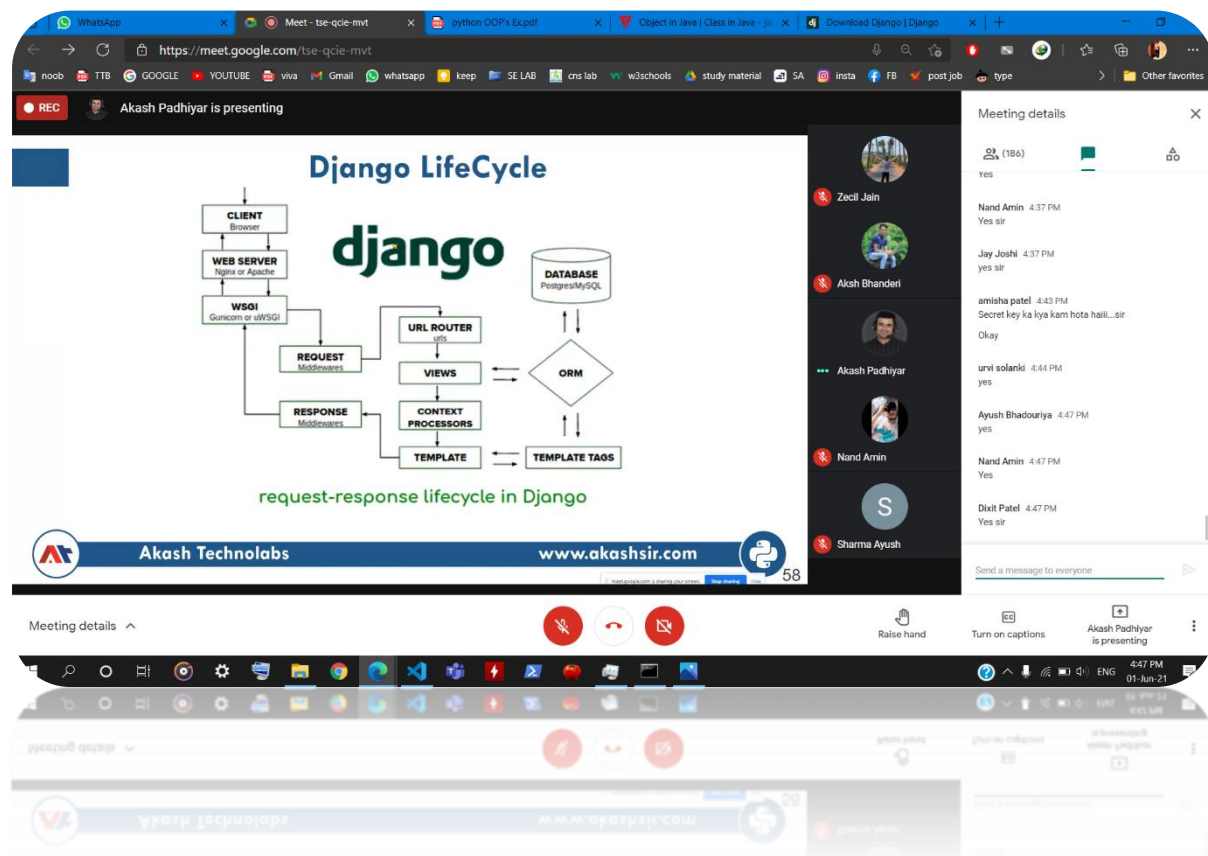
College – GOVERNMENT ENGINEERING COLLEGE, MODASA

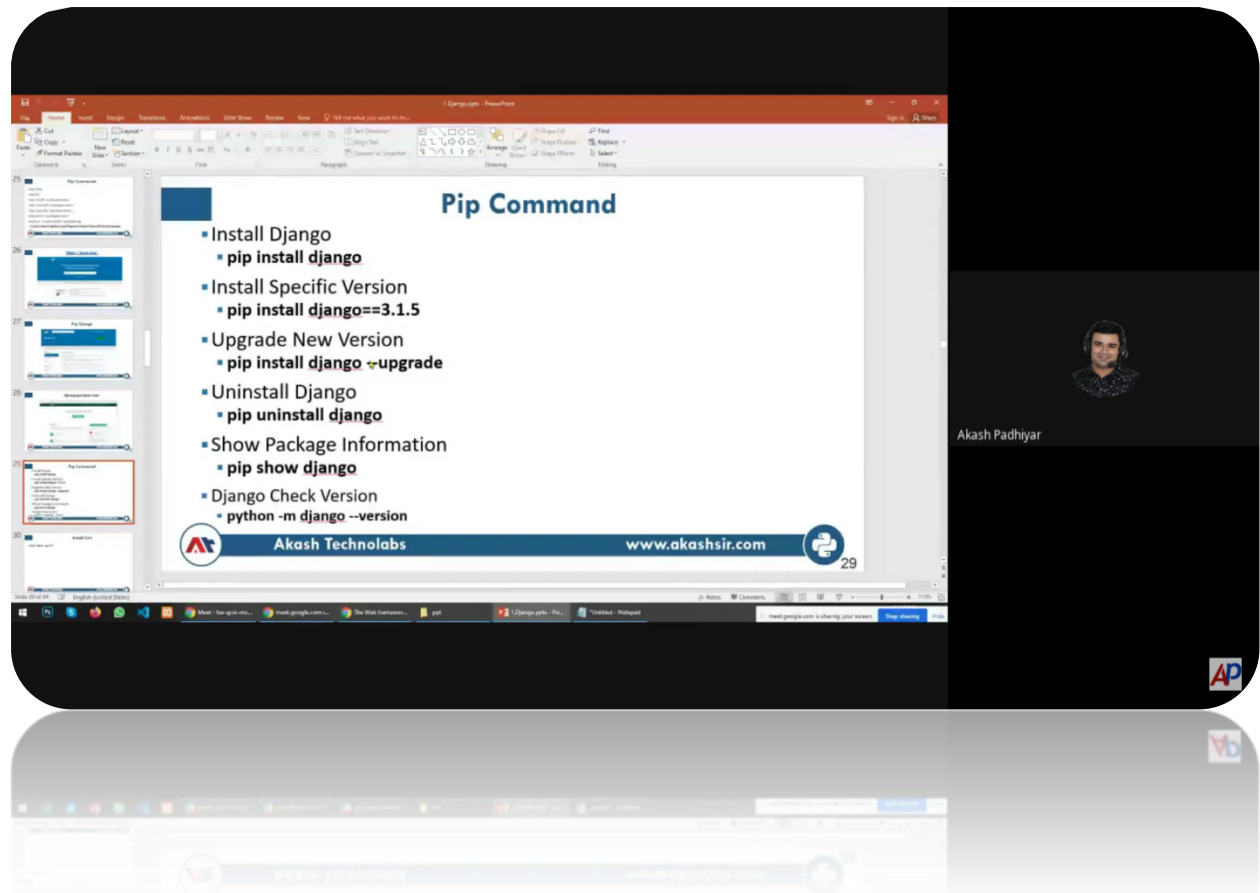
Branch – Information Technology (BE)

Sem -7th

- Task of Day 6:

Django Framework Installation and Initial Project in Vs Code:





```
Microsoft Windows [Version 10.0.19043.985]
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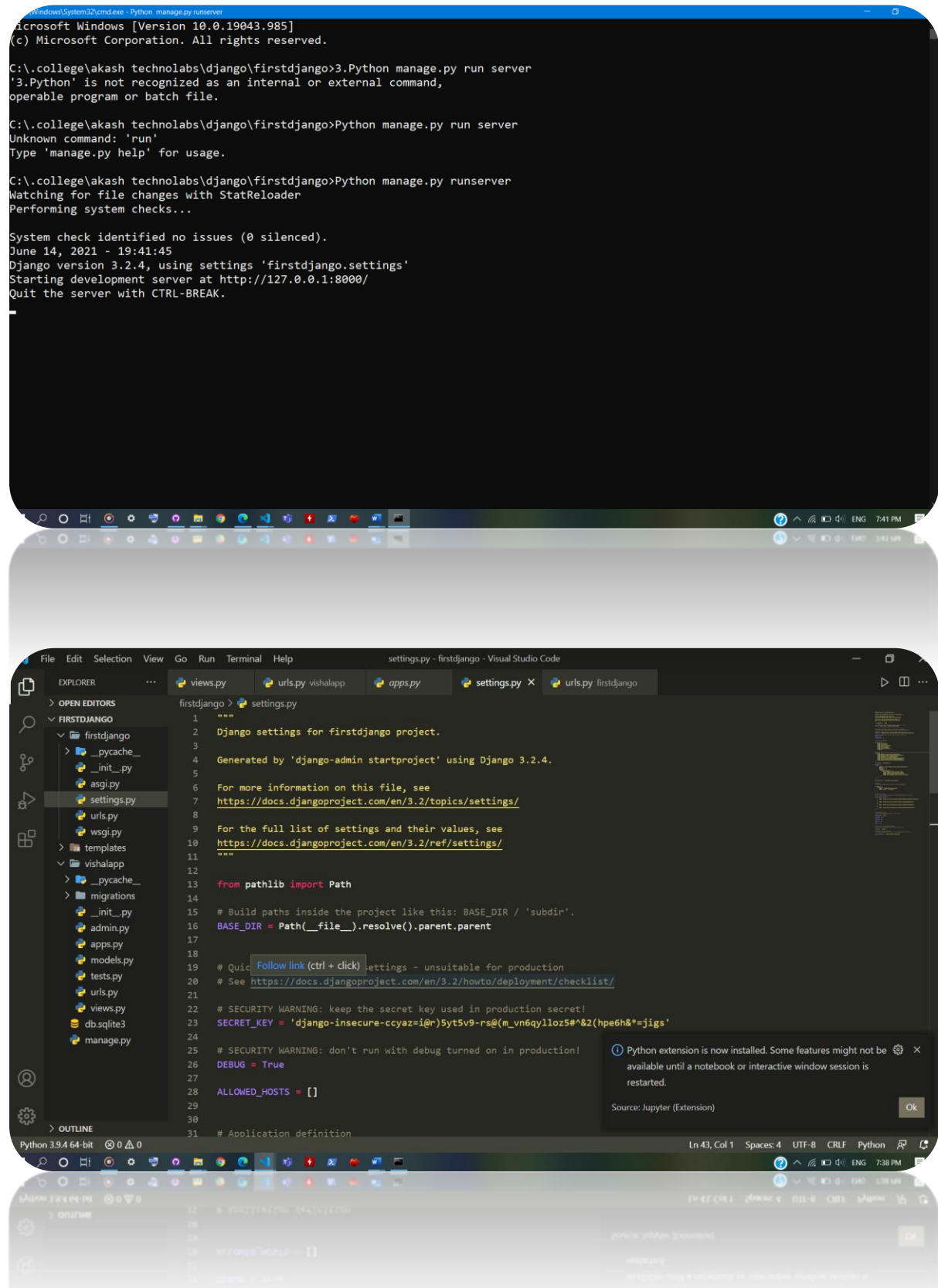
C:\Users\visha>pip install django
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: django in c:\users\visha\appdata\roaming\python\python39\site-packages (3.2.4)
Requirement already satisfied: asgiref<4,>=3.3.2 in c:\users\visha\appdata\roaming\python\python39\site-packages (from django) (3.3.4)
Requirement already satisfied: pytz in c:\users\visha\appdata\roaming\python\python39\site-packages (from django) (2021.1)
Requirement already satisfied: sqlparse>=0.2.2 in c:\users\visha\appdata\roaming\python\python39\site-packages (from django) (0.4.1)

C:\Users\visha>
```

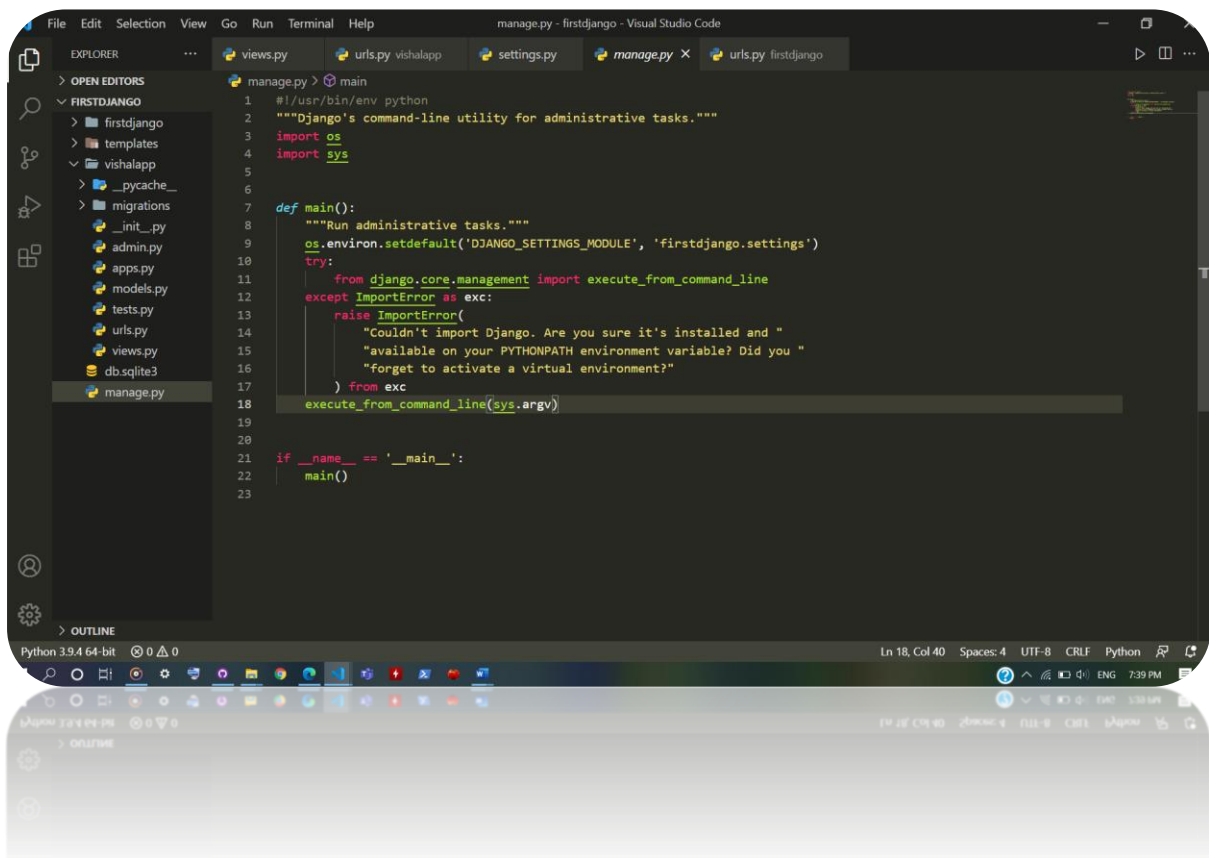
Steps to Create Django Project :-

Commands –

1. Django-admin start project project name



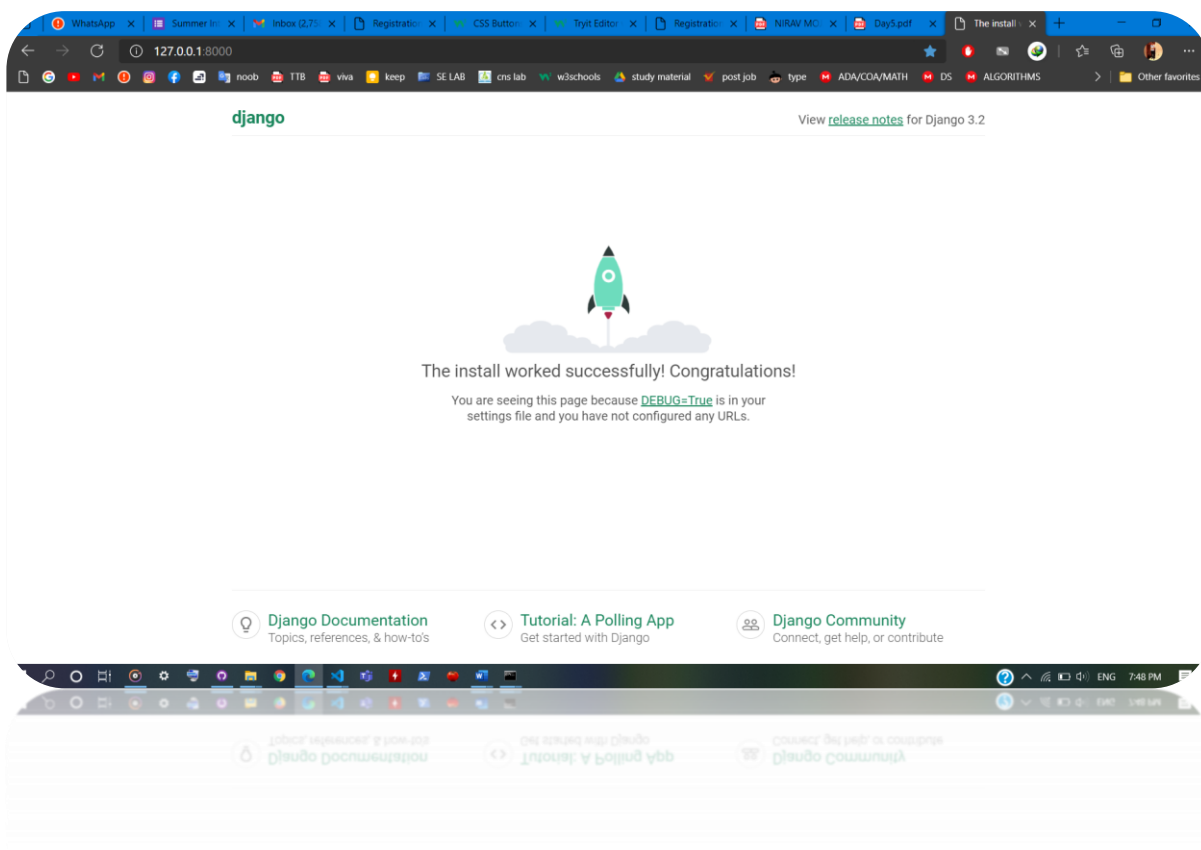
2. python manage.py migrate



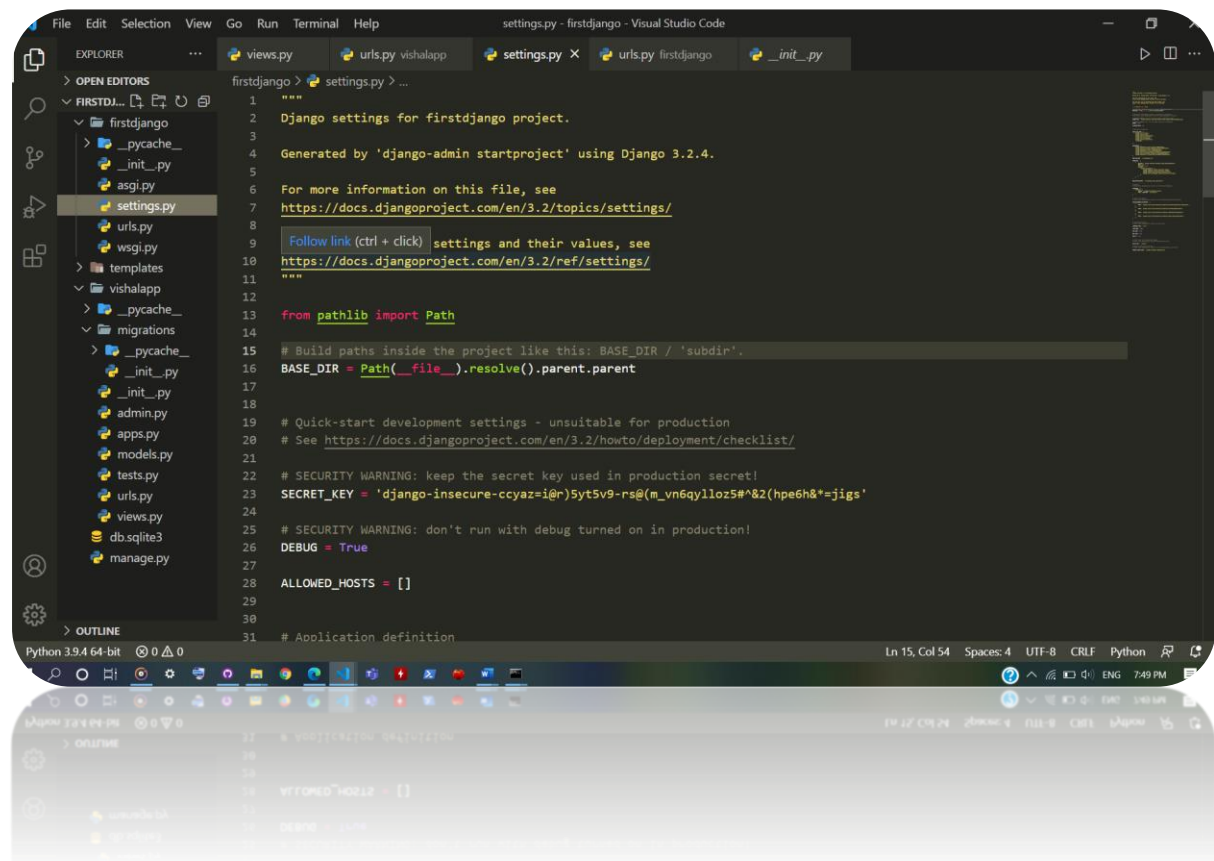
The screenshot shows the Visual Studio Code editor with the Django `manage.py` file open. The file content is as follows:

```
1 #!/usr/bin/env python
2 """Django's command-line utility for administrative tasks."""
3 import os
4 import sys
5
6
7 def main():
8     """Run administrative tasks."""
9     os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'firstdjango.settings')
10    try:
11        from django.core.management import execute_from_command_line
12    except ImportError as exc:
13        raise ImportError(
14            "Couldn't import Django. Are you sure it's installed and "
15            "available on your PYTHONPATH environment variable? Did you "
16            "forget to activate a virtual environment?"
17        ) from exc
18    execute_from_command_line(sys.argv)
19
20
21 if __name__ == '__main__':
22     main()
23
```

3. Python manage.py run server



Project setup file :-



The screenshot displays the Visual Studio Code editor with the 'settings.py' file open for a Django project named 'firstdjango'. The file contains the following content:

```
1 """
2 Django settings for firstdjango project.
3
4 Generated by 'django-admin startproject' using Django 3.2.4.
5
6 For more information on this file, see
7 https://docs.djangoproject.com/en/3.2/topics/settings/
8
9 Follow link (ctrl + click) settings and their values, see
10 https://docs.djangoproject.com/en/3.2/ref/settings/
11 """
12
13 from pathlib import Path
14
15 # Build paths inside the project like this: BASE_DIR / 'subdir'.
16 BASE_DIR = Path(__file__).resolve().parent.parent
17
18 # Quick-start development settings - unsuitable for production
19 # See https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/
20
21 # SECURITY WARNING: keep the secret key used in production secret!
22 SECRET_KEY = 'django-insecure-ccyaz=i@r)5yt5v9-rs@m_vn6qylloz5#^&2(hpe6h&*=jigs'
23
24 # SECURITY WARNING: don't run with debug turned on in production!
25 DEBUG = True
26
27 ALLOWED_HOSTS = []
28
29
30
31 # Application definition
```

The interface includes the Explorer sidebar on the left showing the project structure, the Explorer sidebar on the right showing the file explorer, and the status bar at the bottom indicating the Python 3.9.4 64-bit environment.