

# **INSTALLATION MANUAL FOR SOCIALLY RESPONSIBLE INVESTING**

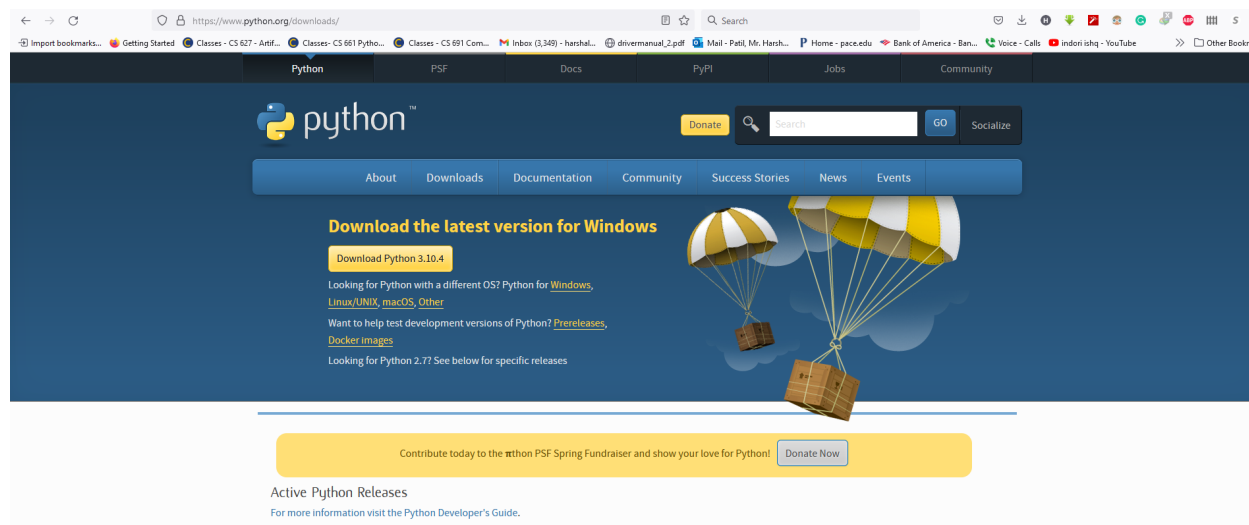
## TABLE OF CONTENTS

<b>1. INSTALLING APPLICATION</b> .....	<b>2</b>
1.1 INSTALLING PYTHON.....	2
1.2 INSTALLING NODEJS.....	4
1.3 INSTALLING YFINANCE.....	7
1.4 INSTALLING DJANGO.....	8
1.5 INSTALLING BOOTSTRAP.....	8
<b>2. RUNNING SRI WEBSITE</b> .....	<b>9</b>
<b>3. RESULTS</b> .....	<b>11</b>
<b>4. CONTACT INFORMATION</b> .....	<b>12</b>

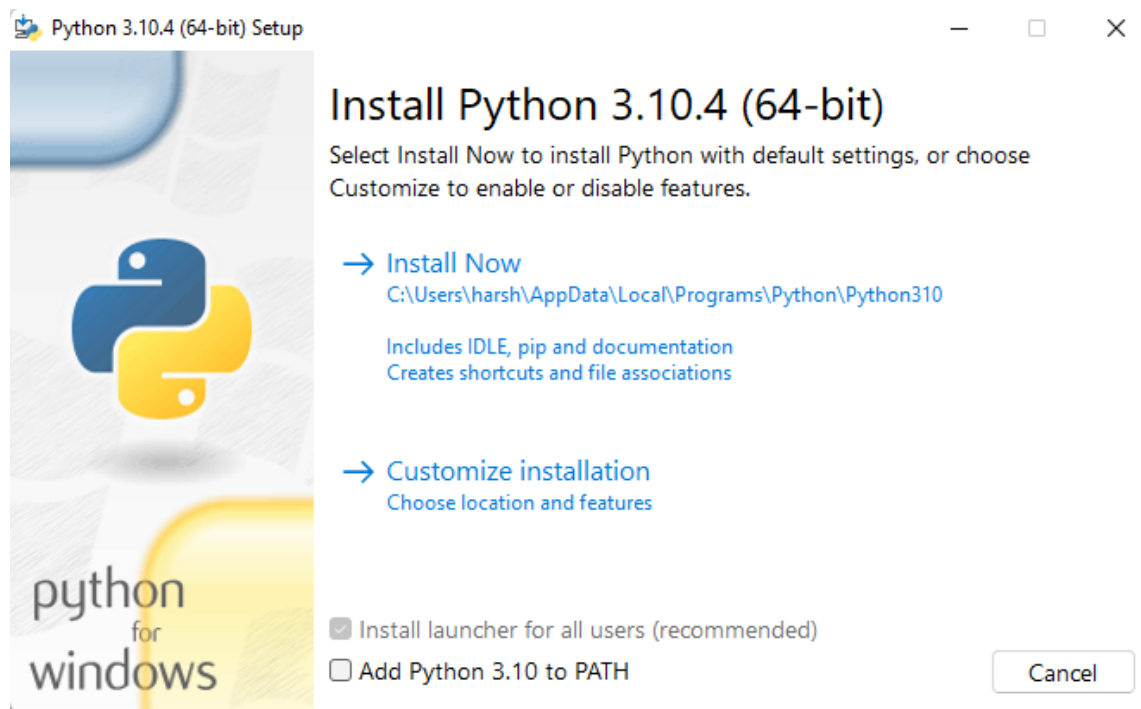
## 1. INSTALLING APPLICATIONS:

### 1.1 INSTALL PYTHON 3.10.4

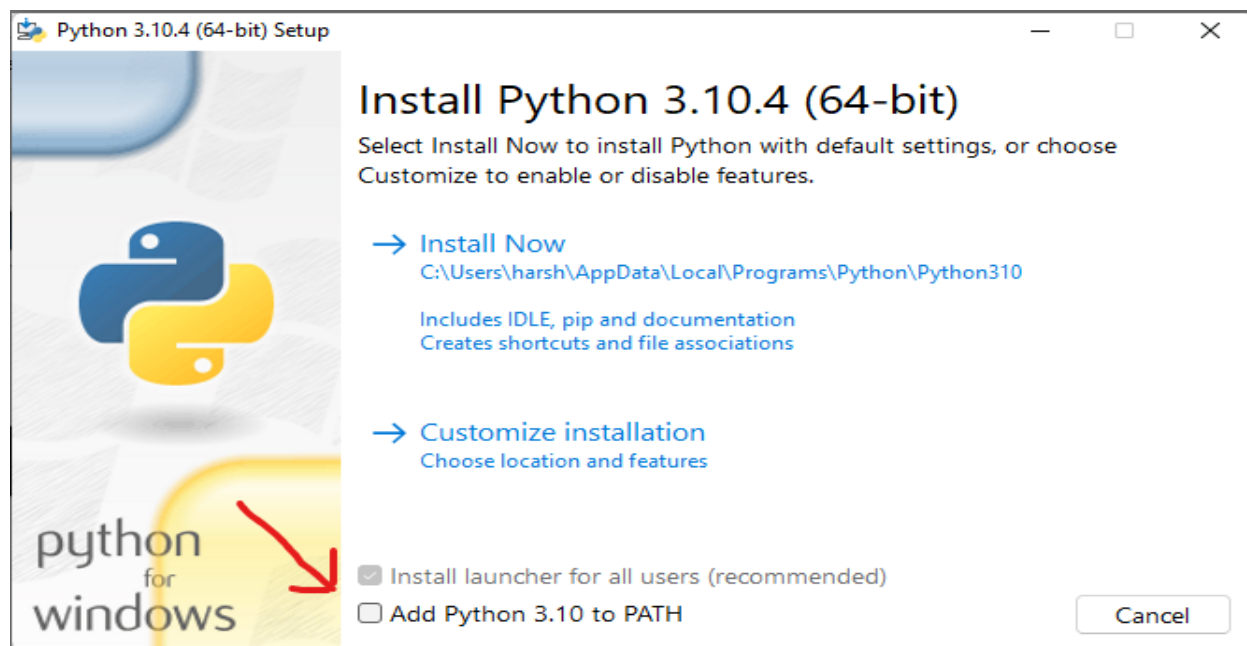
- The first and foremost step is to install a python in a local machine using the link below.  
Python installer - <https://www.python.org/downloads/>



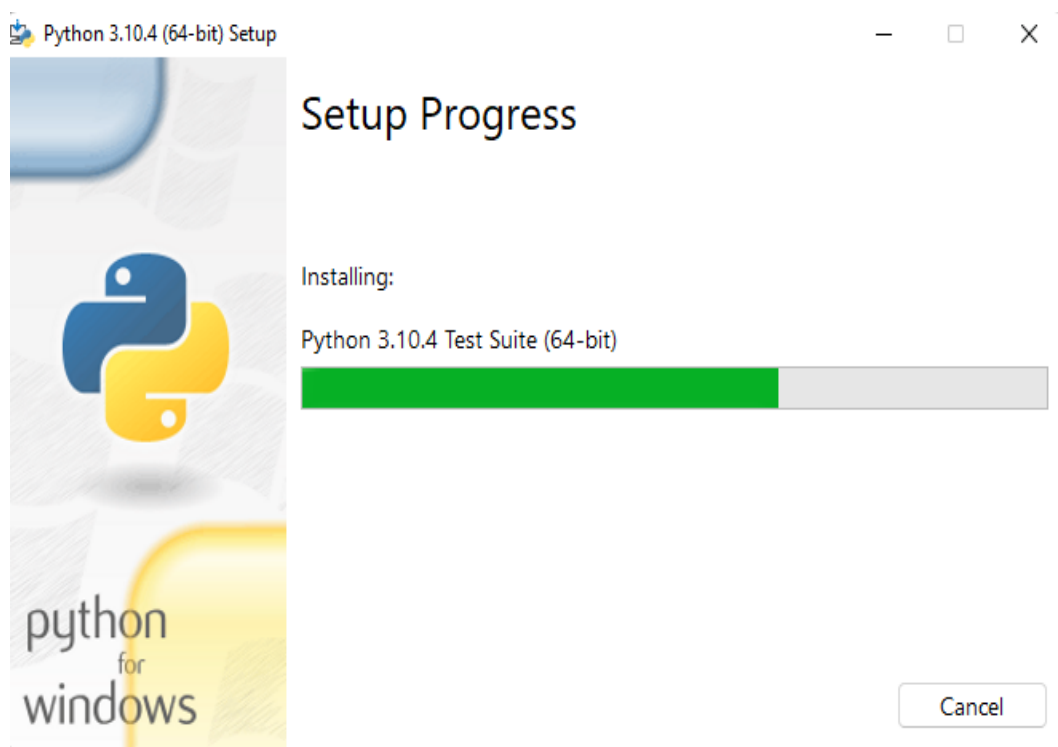
- Navigate to the python installer and double click on it.



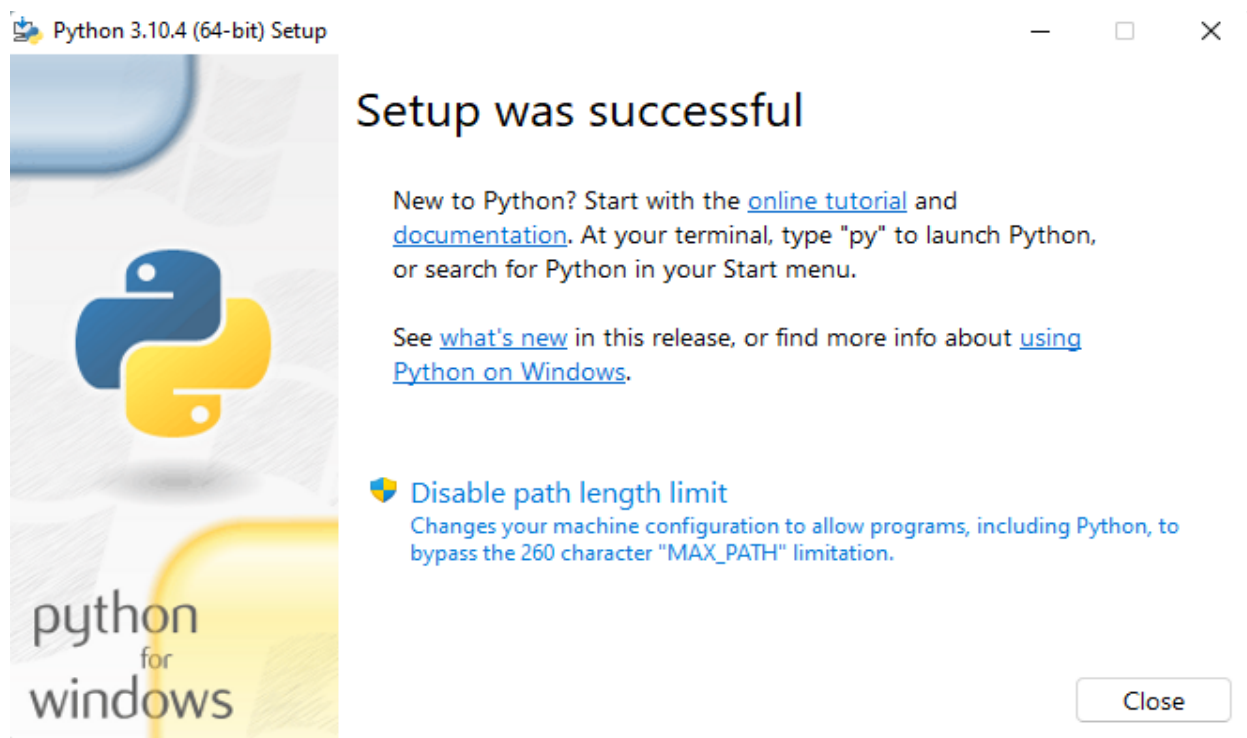
- Click Checkbox Python add to path



- Click on install now



- Click on close after successful installation



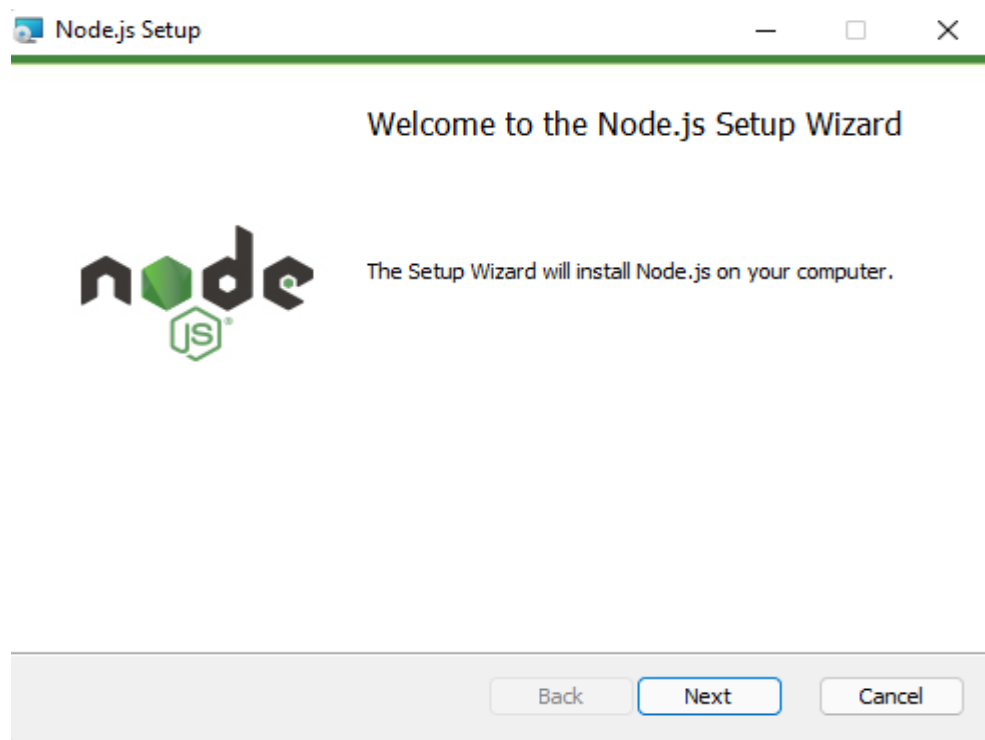
## 1.2 INSTALL NODEJS

Nodejs installer - <https://nodejs.org/en/download/>

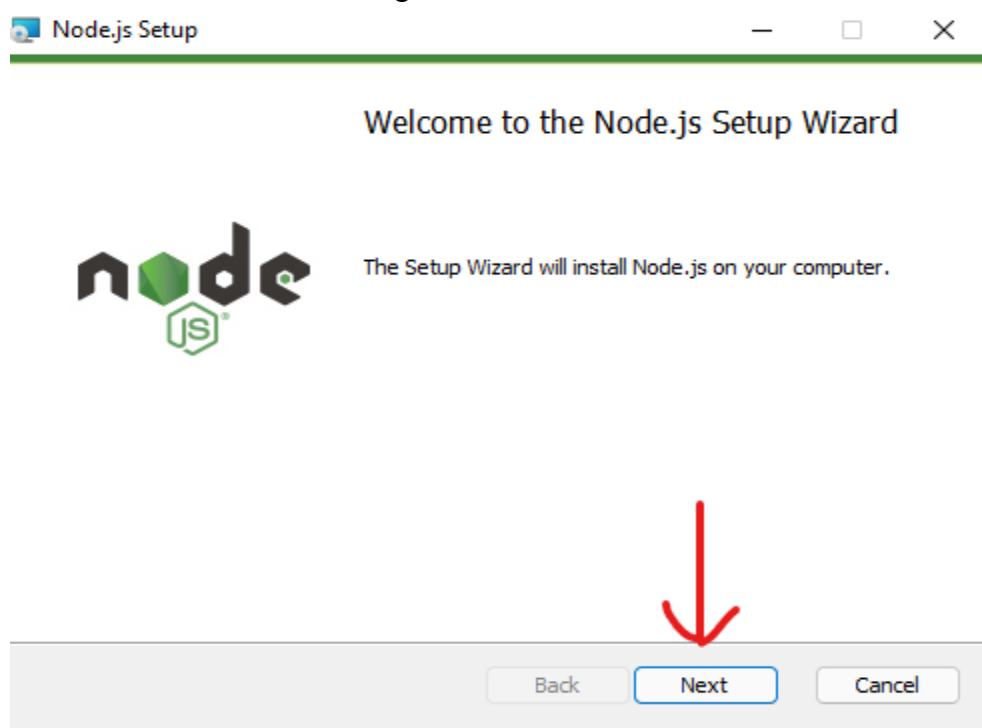
The screenshot shows the Node.js Downloads page. The header features the Node.js logo and navigation links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. The main content area is titled 'Downloads' and includes the text 'Latest LTS Version: 16.15.0 (includes npm 8.5.5)'. Below this, it says 'Download the Node.js source code or a pre-built installer for your platform, and start developing today.' The page is divided into two main sections: 'LTS Recommended For Most Users' and 'Current Latest Features'. Under 'LTS', there are links for 'Windows Installer' (node-v16.15.0-x64.msi), 'macOS Installer' (node-v16.15.0.pkg), and 'Source Code' (node-v16.15.0.tar.gz). Under 'Current', there are links for 'Windows Installer (.msi)', 'Windows Binary (.zip)', 'macOS Installer (.pkg)', 'macOS Binary (.tar.gz)', 'Linux Binaries (x64)', 'Linux Binaries (ARM)', and 'Source Code'. A table below these links lists the available binaries for different architectures: 32-bit, 64-bit, 64-bit / ARM64, ARMv7, and ARMv8. The table also includes a link for 'node-v16.15.0.tar.gz'.

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8
node-v16.15.0.tar.gz	

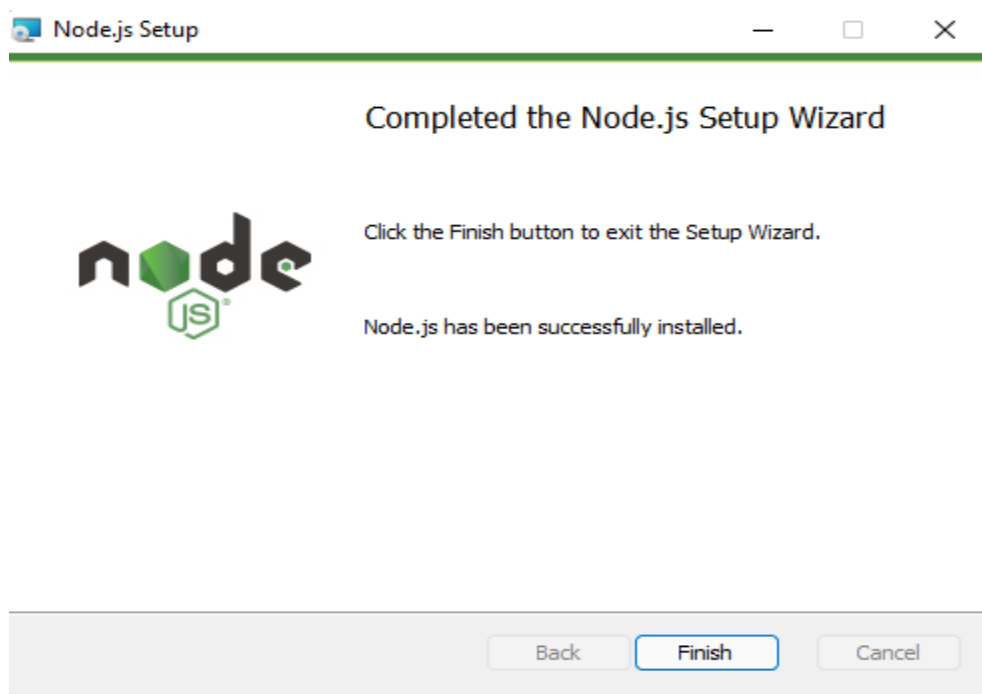
- Navigate to node.js installer and double click on installer to install node.js



- Click on next till the button changes to install then click on install



- Click on finish after installation



- Open command prompt from start menu
- Enter the command “python --version” in cmd to check whether python is installed or not.

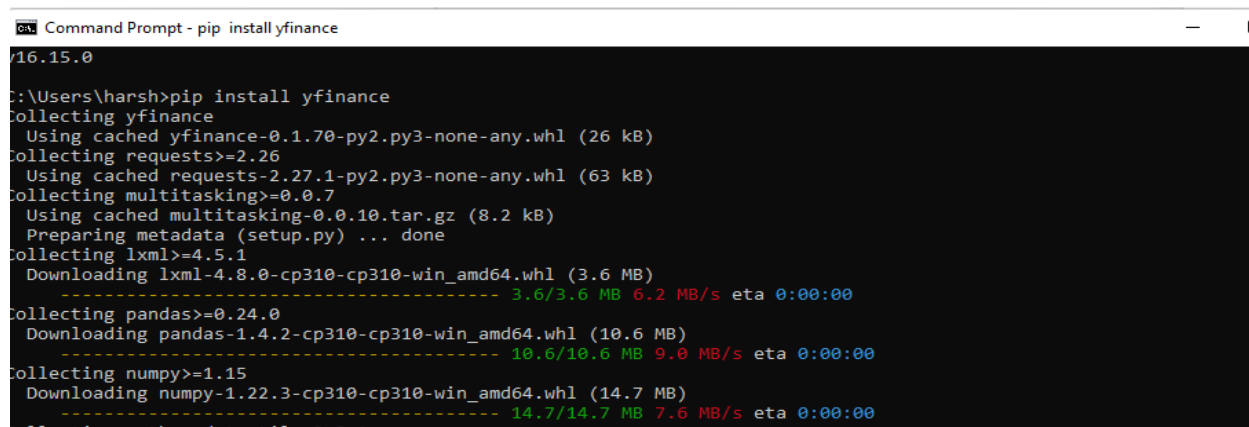


- Enter the command “node --version” in cmd to check whether node.js is installed or not.



## 1.3 INSTALLING YFINANCE

- Open command prompt
- Enter “pip install yfinance” to install y finance api



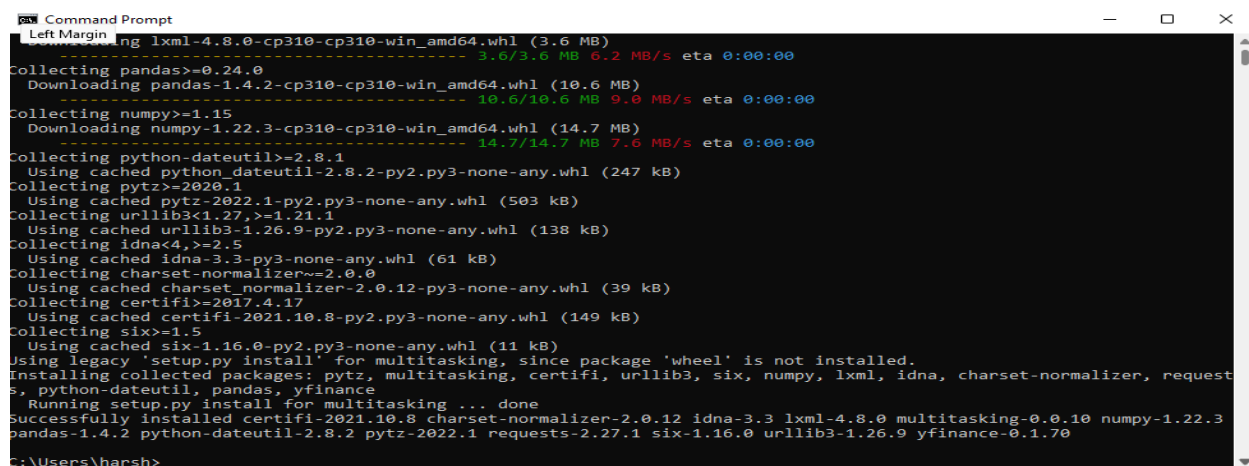
```

Command Prompt - pip install yfinance

C:\Users\harsh>pip install yfinance
Collecting yfinance
  Using cached yfinance-0.1.70-py2.py3-none-any.whl (26 kB)
Collecting requests>=2.26
  Using cached requests-2.27.1-py2.py3-none-any.whl (63 kB)
Collecting multitasking>=0.0.7
  Using cached multitasking-0.0.10.tar.gz (8.2 kB)
  Preparing metadata (setup.py) ... done
Collecting lxml>=4.5.1
  Downloading lxml-4.8.0-cp310-cp310-win_amd64.whl (3.6 MB)
----- 3.6/3.6 MB 6.2 MB/s eta 0:00:00
Collecting pandas>=0.24.0
  Downloading pandas-1.4.2-cp310-cp310-win_amd64.whl (10.6 MB)
----- 10.6/10.6 MB 9.0 MB/s eta 0:00:00
Collecting numpy>=1.15
  Downloading numpy-1.22.3-cp310-cp310-win_amd64.whl (14.7 MB)
----- 14.7/14.7 MB 7.6 MB/s eta 0:00:00
Collecting python-dateutil>=2.8.1
  Using cached python-dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting pytz>=2020.1
  Using cached pytz-2022.1-py2.py3-none-any.whl (503 kB)
Collecting urllib3<1.27,>=1.21.1
  Using cached urllib3-1.26.9-py2.py3-none-any.whl (138 kB)
Collecting idna<4,>=2.5
  Using cached idna-3.3-py3-none-any.whl (61 kB)
Collecting charset-normalizer<=2.0.0
  Using cached charset-normalizer-2.0.12-py3-none-any.whl (39 kB)
Collecting certifi>=2017.4.17
  Using cached certifi-2021.10.8-py2.py3-none-any.whl (149 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Using legacy 'setup.py install' for multitasking, since package 'wheel' is not installed.
Installing collected packages: pytz, multitasking, certifi, urllib3, six, numpy, lxml, idna, charset-normalizer, requests, python-dateutil, pandas, yfinance
Successfully installed certifi-2021.10.8 charset-normalizer-2.0.12 idna-3.3 lxml-4.8.0 multitasking-0.0.10 numpy-1.22.3 pandas-1.4.2 python-dateutil-2.8.2 pytz-2022.1 requests-2.27.1 six-1.16.0 urllib3-1.26.9 yfinance-0.1.70
C:\Users\harsh>

```

- Yfinance is successfully installed



```

Command Prompt

Left Margin
Collecting lxml-4.8.0-cp310-cp310-win_amd64.whl (3.6 MB)
----- 3.6/3.6 MB 6.2 MB/s eta 0:00:00
Collecting pandas>=0.24.0
  Downloading pandas-1.4.2-cp310-cp310-win_amd64.whl (10.6 MB)
----- 10.6/10.6 MB 9.0 MB/s eta 0:00:00
Collecting numpy>=1.15
  Downloading numpy-1.22.3-cp310-cp310-win_amd64.whl (14.7 MB)
----- 14.7/14.7 MB 7.6 MB/s eta 0:00:00
Collecting python-dateutil>=2.8.1
  Using cached python-dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting pytz>=2020.1
  Using cached pytz-2022.1-py2.py3-none-any.whl (503 kB)
Collecting urllib3<1.27,>=1.21.1
  Using cached urllib3-1.26.9-py2.py3-none-any.whl (138 kB)
Collecting idna<4,>=2.5
  Using cached idna-3.3-py3-none-any.whl (61 kB)
Collecting charset-normalizer<=2.0.0
  Using cached charset-normalizer-2.0.12-py3-none-any.whl (39 kB)
Collecting certifi>=2017.4.17
  Using cached certifi-2021.10.8-py2.py3-none-any.whl (149 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Using legacy 'setup.py install' for multitasking, since package 'wheel' is not installed.
Installing collected packages: pytz, multitasking, certifi, urllib3, six, numpy, lxml, idna, charset-normalizer, requests, python-dateutil, pandas, yfinance
Successfully installed certifi-2021.10.8 charset-normalizer-2.0.12 idna-3.3 lxml-4.8.0 multitasking-0.0.10 numpy-1.22.3 pandas-1.4.2 python-dateutil-2.8.2 pytz-2022.1 requests-2.27.1 six-1.16.0 urllib3-1.26.9 yfinance-0.1.70
C:\Users\harsh>

```



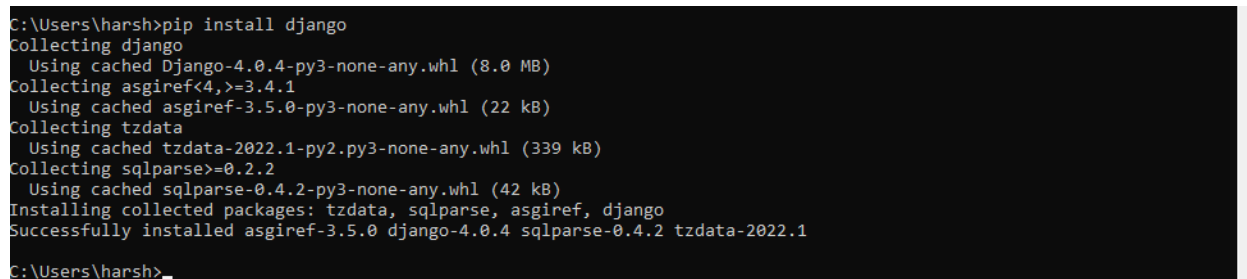
## 1.4 INSTALLING DJANGO

- Enter “pip install django” to install django



```
Command Prompt
C:\Users\harsh>pip install django
```

- Django is installed



```
C:\Users\harsh>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
C:\Users\harsh>
```

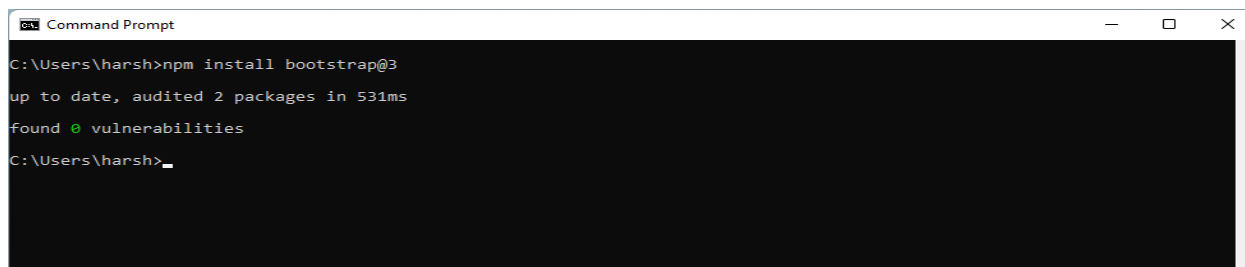
## 1.5 INSTALL BOOTSTRAP

- Enter “npm install bootstrap@3” to install bootstrap



```
Command Prompt
C:\Users\harsh>npm install bootstrap@3
```

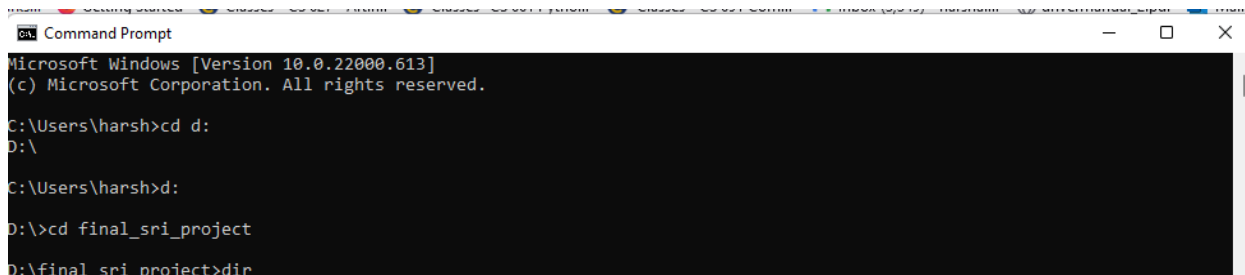
- Bootstrap is successfully installed



```
Command Prompt
C:\Users\harsh>npm install bootstrap@3
up to date, audited 2 packages in 531ms
found 0 vulnerabilities
C:\Users\harsh>
```

## 2. RUNNING SRI WEBSITE

- Open command prompt
- Navigate to project directory using cd command

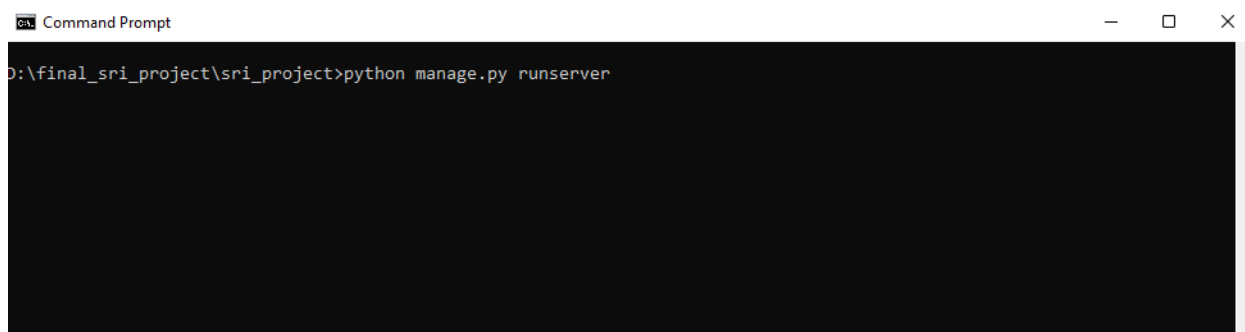


```
Command Prompt
Microsoft Windows [Version 10.0.22000.613]
(c) Microsoft Corporation. All rights reserved.

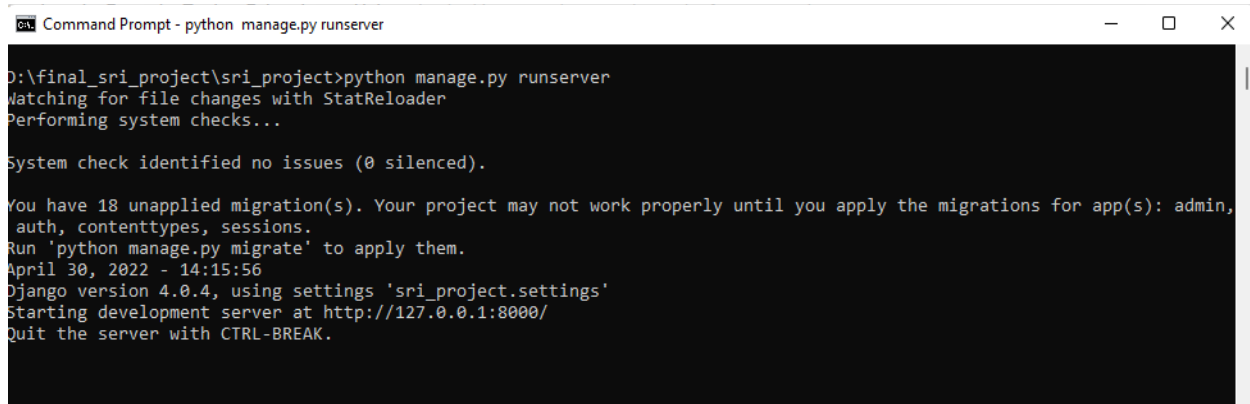
C:\Users\harsh>cd d:
D:\

C:\Users\harsh>d:
D:\>cd final_sri_project
D:\final_sri_project>dir
```

- Enter “python manage.py runserver” command to run the file and host server



```
Command Prompt
D:\final_sri_project\sri_project>python manage.py runserver
```



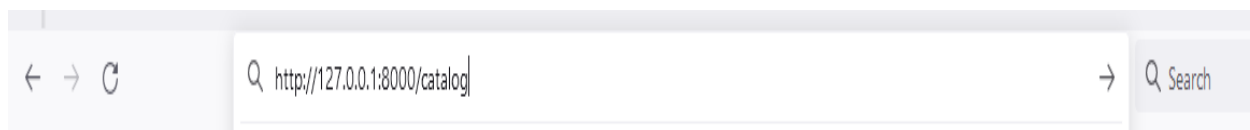
```
Command Prompt - python manage.py runserver

D:\final_sri_project\sri_project>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 30, 2022 - 14:15:56
Django version 4.0.4, using settings 'sri_project.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

- Open Browser
- Enter “<http://127.0.0.1:8000/catalog>” in the url box of browser and hit enter key



- Website is running now

### 3. RESULTS

#### Corporate Sustainability Score

Find the current stock price & ESG scores a company

Type In A Company Name

Submit

AMZN (Amazon)

NYSE - NYSE Delayed Price. Currency in USD

Stock Price

\$2,485.63

#### ENVIRONMENT, SOCIAL AND GOVERNANCE (ESG) RISK RATINGS

Total ESG Score	Environmental Score	Social Score	Governance Percentile
20.2	5.95	14.25	0.0

#### FINANCIALS

	2021-12-31 00:00:00	2020-12-31 00:00:00	2019-12-31 00:00:00	2018-12-31 00:00:00
Research Development	56052000000.0	42740000000.0	35931000000.0	28837000000.0
Effect Of Accounting Charges	None	None	None	None
Income Before Tax	38155000000.0	24194000000.0	13962000000.0	11270000000.0
Minority Interest	None	None	None	None
Net Income	33364000000.0	21331000000.0	11588000000.0	10073000000.0
Selling General Administrative	116485000000.0	87193000000.0	64313000000.0	52177000000.0
Gross Profit	197478000000.0	152757000000.0	114986000000.0	93731000000.0
Ebit	24879000000.0	22899000000.0	14541000000.0	12421000000.0
Operating Income	24879000000.0	22899000000.0	14541000000.0	12421000000.0
Other Operating Expenses	62000000.0	-75000000.0	201000000.0	296000000.0
Interest Expense	-1809000000.0	-1647000000.0	-1600000000.0	-1417000000.0
Extraordinary Items	None	None	None	None
Non Recurring	None	None	None	None
Other Items	None	None	None	None
Income Tax Expense	4791000000.0	2863000000.0	2374000000.0	1197000000.0
Total Revenue	460822000000.0	386640000000.0	286522000000.0	223887000000.0

#### 4. CONTACT INFORMATION

Samarth Yadav - [sy72960n@pace.edu](mailto:sy72960n@pace.edu)

Harshal Patil - [hp55851n@pace.edu](mailto:hp55851n@pace.edu)

Farhan Pasha Mohammed - [fm15657n@pace.edu](mailto:fm15657n@pace.edu)

Kush Shah - [ks76678n@pace.edu](mailto:ks76678n@pace.edu)

Jephthe Louis-Jacques - [jl83643p@pace.edu](mailto:jl83643p@pace.edu)

Naga Sai Kiran Nimmakayala- [nn48960n@pace.edu](mailto:nn48960n@pace.edu)