DJANGO INSTALLATION
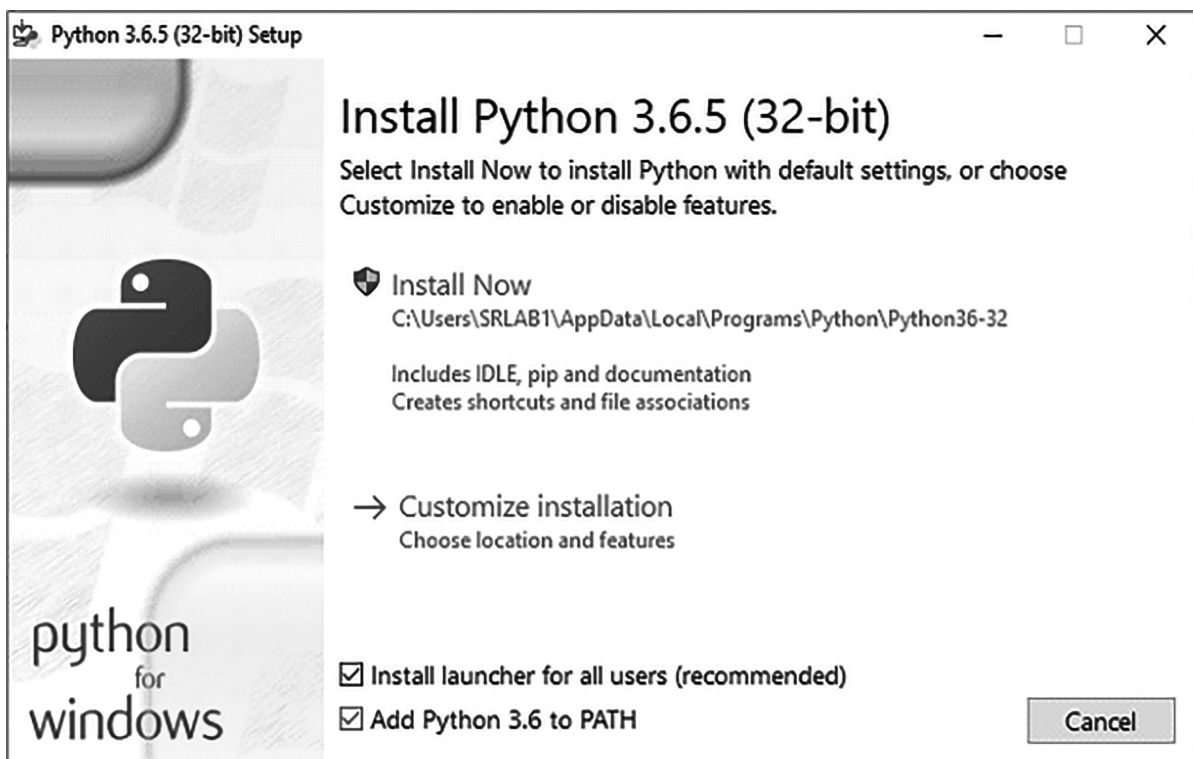
Installation instructions and creating the Django project:

1. Install Python (only for the first time).

(a) Go to **https://www.python.org/downloads/** and **click the big yellow button** that says "Download Python 3.6.5".

(b) Once you have downloaded the Python installer, **go to your Downloads folder and double click the file "python-3.x.x.msi"** to run the installer.

Make sure you have checked the **Add Python 3.6 to PATH.**

2. Install the Python Package Repository (PyPi) the *pip* tool (only for the first time).

Go to the command prompt and get back to root.

c:\users\preeti>cd\

c:\> **python -m pip install -U pip**

3. Install the Python Virtual Environment (only for the first time).

c:\> **pip install virtualenv**

4. Create and enter a root directory for all your projects (only for the first time).

c:\>**md myprojects**

c:\>**cd myprojects**

5. Create a virtual environment (only for the first time).

c:\myprojects>**virtualenv django**

If you get inside the Django folder, you will see the following:

\Include

\Lib

\Scripts

pip-selfcheck.json

6. Install Django (only for the first time).

(django) c:\myprojects>**pip install django**

Django gets successfully installed onto your system and is ready to use.

7. Create your Django project.

c:\myprojects>**django-admin startproject testproject**

The following directory structure must have been created:

firstpj/

manage.py

mysite/

__init__.py

settings.py

urls.py

wsgi.py

8. Run the server locally.

(django) c:\myprojects>**cd newproject**

(django) c:\myprojects\newproject>**python manage.py runserver**

If you find the output as given below, then it is a success, otherwise you need to recheck the steps

Performing system checks…

System check identified no issues (0 silenced).

Jan 26, 2019 - 22:38:54

Django version 2.1.5, using settings 'mysite.settings'

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

Quit the server with CTRL-BREAK.

Minimize the command prompt window.

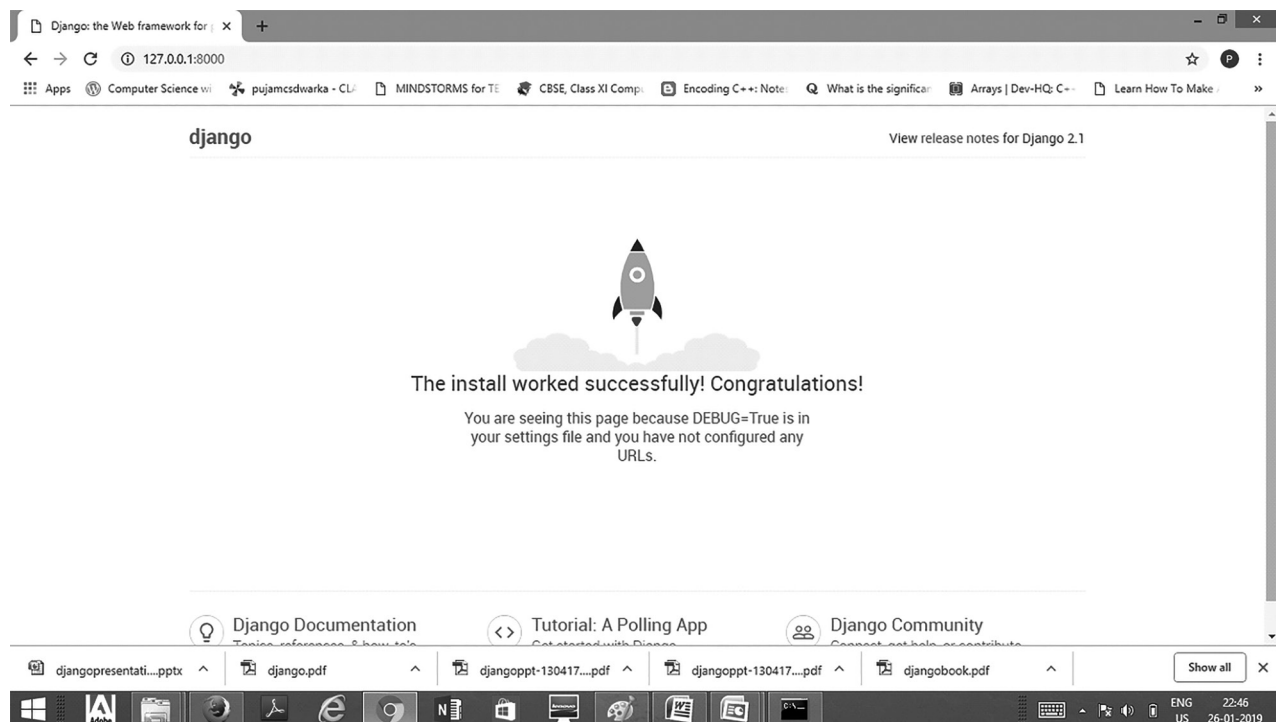## 9. Minimize the command prompt window.

Every time you run Django, you have to run the server by typing the command:

>python manage.py runserver

Server will start working and minimize the window.

10. Run the server locally.

Type **http://127.0.0.1:8000/** with your web browser. You'll see "The install worked successfully! Congratulations!"

Every time you have to start a new project in windows, all the above steps after Django installation have to be executed again and the window is minimized, and Django server is to be kept running for all the successive projects you will develop in Django.