

```
requests.get(url)
# checking response.status_code (if you get 502, try refreshing the page)
if response.status_code != 200:
    print(f"Status: {response.status_code}")
```

# INTRODUCTION TO PYTHON WEB DEVELOPMENT WITH DJANGO (Pt 1)

Compiled in conjunction with

E m m a n u e l P h i r i

Presented by

I a n M s o m i

# What is Python?

- Popular high-level object-oriented programming language like Java, C#, PHP, and more
- **High-level programming languages** = closer to human understanding (or the native human language)
- Python allows you to **develop mobile and web-based** applications
- Mostly a **back-end** programming language
- Knowing Python may **increase earning potential**.



# Uses of Python

- Creating dynamic websites
- Creating web applications
- Creating mobile applications
- Used for data analytics

# Python Basics

- 1. Syntax** – Rules that govern how to use a set of symbols in a language.
- 2. Data types** – Define the type of the variables or the type of data to be kept in a variable.
- 3. Variables** – This is a named storage location.
- 4. Functions** – These are blocks of set of instructions that run when called.

# Phases of Python Development

## 1. Planning

Create a project plan

## 2. Installation

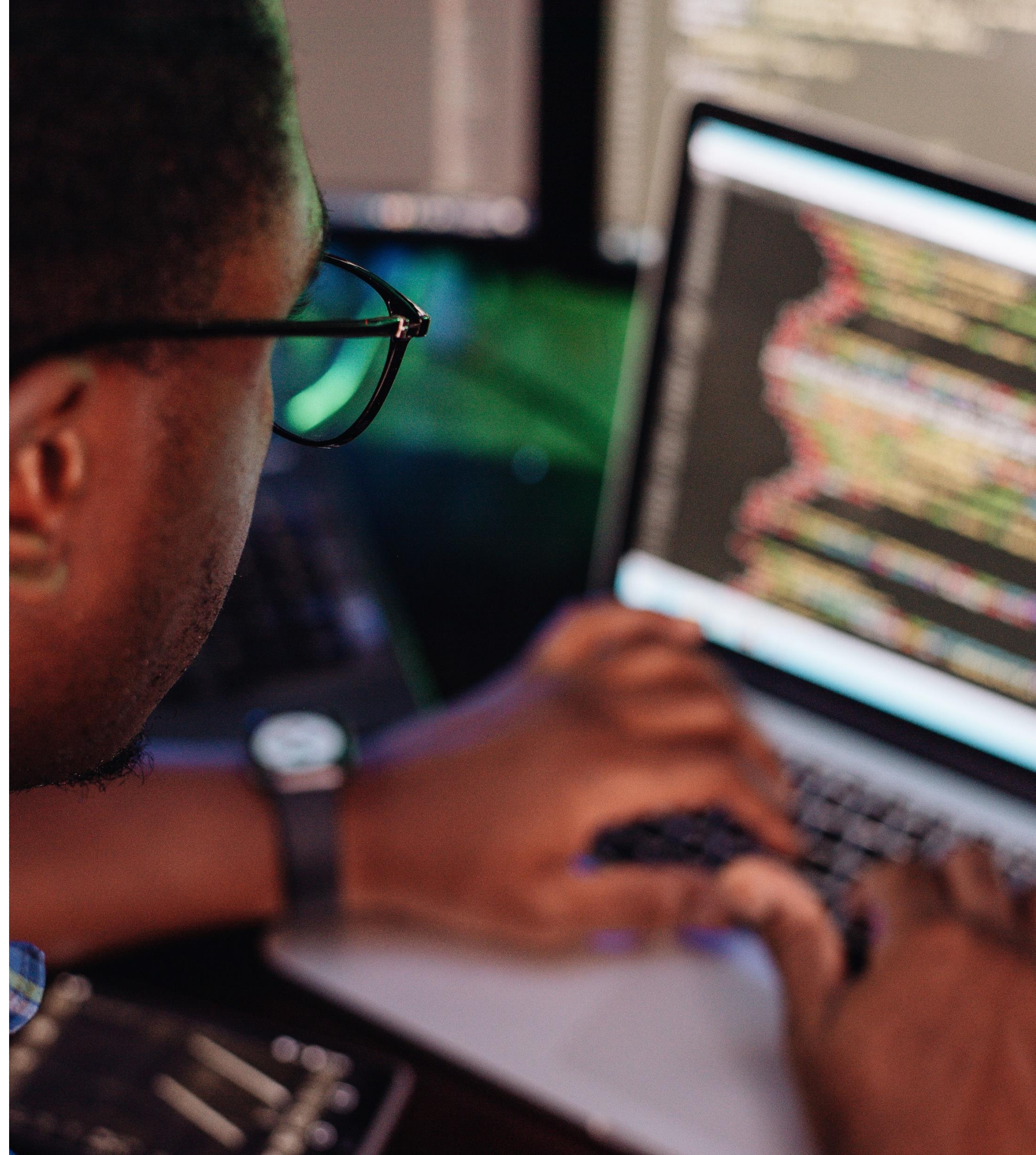
Install project dependencies

## 3. Configuration

Configure the project

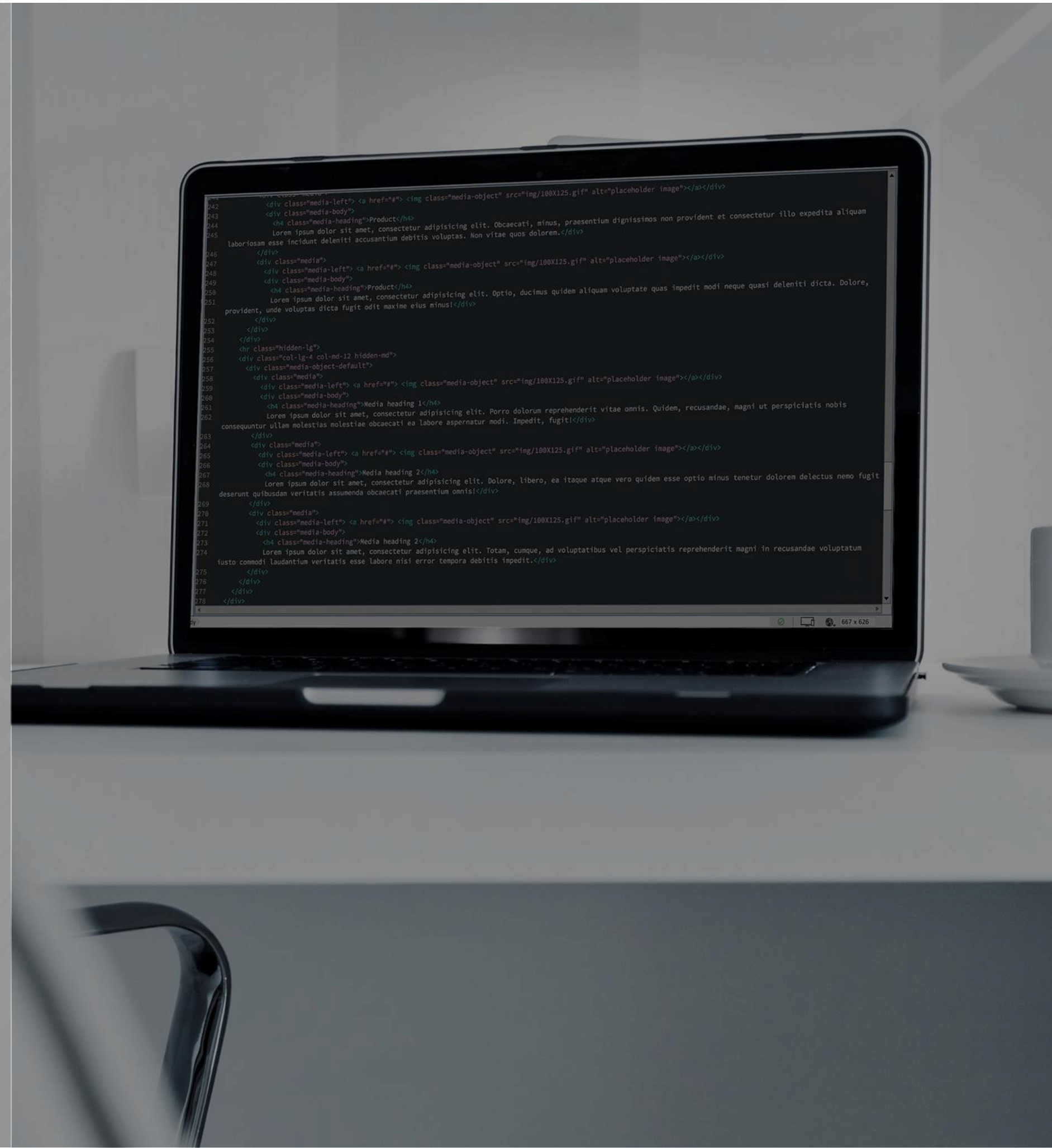
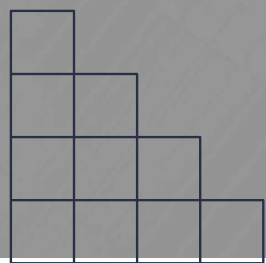
## 4. Implementation

Start hands-on coding and website development.

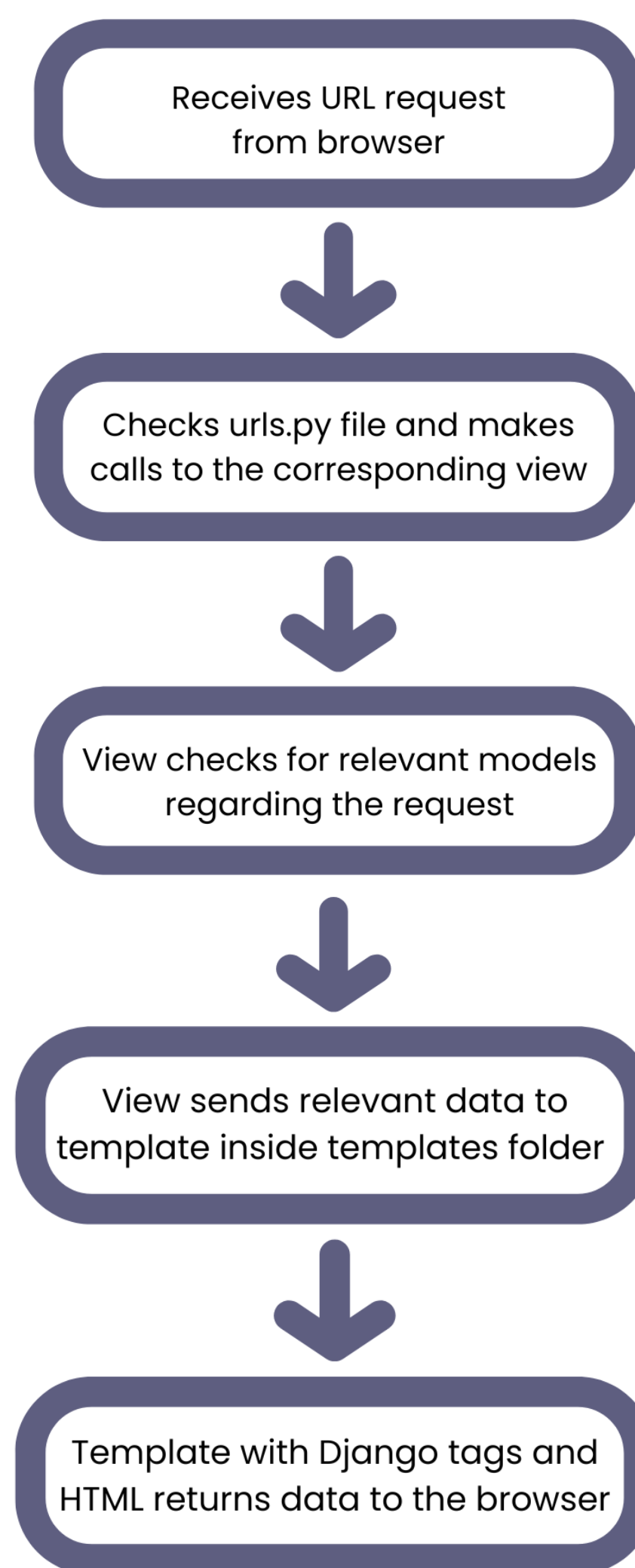


# Understanding Django

- A popular Python framework
- Django design pattern is MVT = model, view, and template
- Model interacts directly with the database.



# How Django URLs work



# Django Commands

1. **Django-admin startproject website**- Creates a Django project named website.

2. **Cd website**- Takes us into the website folder.

3. **Website/-** Root directory

4. **Manage.py**- Helps you to run commands in Django project.

5. **Website/--init--.py** Is python package file (usually empty).

6. **Website/settings.py**- a file where all changes are made.

7. **Website/urls.py**- Declares your project URLs (provide way to navigate throughout the page).

8. **Website/asgi.py**- All Django project ASGI compatible web server entry point.

9. **Website/wsgi.py**- Django project WSGI compatible web server entry point.

10. **Manage.py runserver**- Runs the Django project.

# Now let's get into some live Python coding!





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