1. Setting up URL patterns in urls.py for routing requests to views

Ans. In Django, URL patterns define how incoming requests are routed to specific views. This is managed using the urls.py file.

1. Understanding URL Routing in Django

Django follows a pattern-matching system where each request URL is compared against defined patterns in urls.py.

2. Basic URL Configuration

A basic urls.py file in a Django project looks like this:

3. Using Dynamic URLs with Parameters

Django allows passing parameters in URLs.

4. Using re\_path for Regular Expressions

For advanced matching, use re\_path().

5. Including App-Specific URLs

For modularity, Django allows splitting URLs into separate app-specific urls.py files.

6. Naming URL Patterns (name Attribute)

Using the name attribute allows reverse URL resolution in templates.

1. Integrating templates with views to render dynamic HTML content.

Ans. Django uses the Model-View-Template (MVT) architecture, where templates are responsible for rendering dynamic HTML content. Templates allow separating UI design from business logic by using Django’s built-in template engine.