What is Django Template Language (DTL)?

Django Template Language (**DTL**) is a built-in **templating system** in Django. It helps **display dynamic content** in HTML using simple syntax.

Example: Using DTL in a Template (home.html)

```
<h1>Welcome, {{ name }}!</h1>
If name = "Alice", the output will be:
Welcome, Alice!
```

2. Why is DTL Needed in Django Web Development?

- Makes HTML dynamic Displays different content based on data.
- **Simplifies coding** No need for complex Python code in templates.
- Safe and secure Prevents malicious code execution (auto-escapes HTML).

Without DTL, we'd need to manually insert values in every HTML page.

3. How to Pass Context Variables from a View to a Template?

In views.py, use the render() function and pass a context dictionary.

Example: Passing Data from View

from django.shortcuts import render

```
def home_view(request):
   context = {'name': 'Alice', 'age': 25}
   return render(request, 'home.html', context)
```

4. How to Access Context Variables in a Template?

Use **double curly brackets {{ variable }}** in the HTML file.

Example: home.html

```
<h1>Hello, {{ name }}!</h1>
Your age is {{ age }}.
```

description Output in Browser:

csharp

Hello, Alice!

Your age is 25.