Explain template inheritance and template reusability. How do you include one Django template inside another using the {% include %} tag?

Template inheritance allows you to create a **base template** (with common layout elements like headers, footers, navbars) and extend it in child templates. This promotes DRY (Don't Repeat Yourself) principles.

#### **How It Works:**

- **Base Template:** Defines the common structure and placeholders (using {% block %} tags).
- **Child Template:** Inherits from the base using {% extends %} and fills in the placeholders.

```
{% extends 'base.html' %}

{% block title %}Product List - Zamazor{% endblock %}

{% block content %}

{h2>Available Products:</h2>

{ul>

{% for product in products %}

{i>{{} product.name }} - ₹{{} product.price }}

{% empty %}

{i li>No products available.

{% endfor %}

{/ul>

{% endblock %}
```

What is the proper way to display images stored in the media folder in a Django template?

### **Django Media Configuration**

To serve **user-uploaded files (media)**, configure the MEDIA\_URL and MEDIA\_ROOT in settings.py:

### settings.py

```
import os

MEDIA_URL = '/media/' # URL to access media files
MEDIA_ROOT = os.path.join(BASE_DIR, 'media') # Directory to store uploaded files
```

## **Serving Media Files (Development Only)**

In urls.py, add this:

```
from django.conf import settings
from django.conf.urls.static import static

urlpatterns = [
    # Your app URLs here
]

if settings.DEBUG:
    urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

## **Uploading and Displaying Images**

Assume you've uploaded a product image at: media/products/laptop.jpg

### views.py

### product\_list.html

# **Proper Way to Display Media Files (Best Practice)**

Instead of hardcoding MEDIA\_URL, use the MEDIA\_URL context processor or directly reference like this:

```
1 <img src="{{ product.image.url }}" alt="{{ product.name }}" width="200">
```