

Lesson 4 – URLs & Routing

Homework + Quiz Solutions

HOMEWORK SOLUTION

Homework Task:

Create a dynamic route: `/blog/poems/`

Correct Implementation:

1. In `blog/urls.py`:

```
path('poems/', views.poem_detail, name='poem_detail')
```

2. In `blog/views.py`:

```
def poem_detail(request, id):  
    return HttpResponse(f"This is poem number {id}")
```

Explanation:

This route captures an integer from the URL and passes it as the 'id' parameter to the view. The view then returns a dynamic message based on the number the user enters in the URL.

Expected Test URLs:

- `/blog/poems/1/`
- `/blog/poems/5/`
- `/blog/poems/9/`

Expected Output:

This is poem number X

(Where X is the number entered in the URL.)

QUIZ SOLUTIONS

Question 1:

What is the purpose of config/urls.py?

Correct Answer: B – It is the main router that includes each app's URLs.

Explanation: This file defines the project-level URL configuration and directs traffic to each app.

Question 2:

Which function is used for routing?

Correct Answer: C – path()

Explanation: path() is Django's modern, recommended method for creating URL routes.

Question 3:

Given path('post/', ...), which URL displays post 7?

Correct Answer: A – /post/7/

Explanation: Django replaces with the integer provided in the URL.

Question 4:

Which import allows including app URLs?

Correct Answer: C – from django.urls import include

Explanation: include() lets a project URL file route traffic to an app's URLs.

Question 5:

True or False: Forgetting app urls.py causes routing errors.

Correct Answer: TRUE

Explanation: Django requires an urls.py file inside an app if the project tries to include it.

Question 6:

What does the poem_detail view return?

Correct Answer: B – A page showing the poem based on the URL ID

Explanation: The view displays dynamic content using the number captured from the URL.

Question 7:

Which URL belongs to the blog app?

Correct Answer: A – /blog/poems/5/

Explanation: Since blog/ is included at the project level, all blog routes begin with /blog/.

End of Solutions
