



CAMBRIDGE INSTITUTE OF TECHNOLOGY

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Full Stack development (21CS62)

Internal Test-1 Question Bank

Module-1 and 2

1. What is the role of the template system in Django, and how does template inheritance benefit the development process
2. How is Django evolution related to web development?
3. Explain the purposes and functionalities of virtual environment in Django project.
4. Discuss the concept of wild card patterns in URLs and their significance in Django.
5. What does the {% for %} tag do in Django templates?.
6. How do you perform a conditional check in a Django template?
7. What is a template filter and how is it used?
8. What are basic template tags and filters in Django?
9. Contrast the MVT development pattern with other web development paradigms.
10. Elucidate the basics of Django's template system, emphasizing its role in web development.
11. What is a web framework?
12. Write a Django view function that renders a template called home.html and passes a context variable username with the value "JohnDoe".
13. Describe common errors encountered in Django.
14. Describe the process of developing a Django app that displays the date and time four hours ahead and four hours before as an offset of the current server time.
15. What is template inheritance in Django?
16. Mention the importance of headers and footers in website design.
17. Classify the types of templates used in the MVT development pattern.
18. Justify the use of layout.html inheritance for creating additional pages like contact us, About Us, and Home page in Django web applications.
19. How do you define a block in a Django template for inheritance
20. What is the significance of creating a virtual environment in Django projects?
21. Describe the wild card patterns are used in Django's URLs with suitable examples.
22. Illustrate the flow of data between views and templates in a Django application with a suitable example.
23. How does template inheritance help in maintaining a consistent look and feel across a Django application?.
24. Illustrate the process of MVT development pattern with an example.

25. How would you include a navigation bar template into another template?
26. Demonstrate how to use the date filter to format a date variable in a Django template.
27. List out the features of Django.
28. Explain URL mapping in Django with an example.
29. Implement an offset feature in a Django app to show the date and time four hours ahead and four hours before the current time.
30. Compare the `{% for %}` and `{% if %}` tags in Django templates. How are they used differently?
31. Design a base template that includes a header, footer, and a block for main content. Then, create a child template that extends this base and fills in the content block.
32. Create a custom template filter in Django that capitalizes the first letter of each word in a string. Provide the code for the filter and an example of how to use it in a template.
33. What does the `{% block %}` tag do in a Django template? Answer: The `{% block %}` tag defines a block of content that a child template can override.
34. What setting in Django specifies the directories to search for templates?
35. How does Django's MVT pattern enhance the maintainability of web applications?