

## Django

1. What is Django?
2. What is web Framework? Give example.
3. What is dynamic website? Give example.
4. Name some popular web frameworks of today.
5. Differentiate web framework and library with illustration.
6. What is client-server architecture with respect to web browser and web server?
7. The web browsers work on the web mostly with \_\_\_\_\_ protocol.
8. What are HTTP request and HTTP response?
9. Differentiate the 2 types of HTTP requests. (or) Differentiate GET and POST requests.
10. When do we get 404 errors?
11. An HTTP GET request is always accompanied by a \_\_\_\_\_.
12. Write the advantages of Django.
13. What is the need for virtual environment?
14. What is virtual environment?
15. Why Django got such name?
16. Django web framework is maintained by \_\_\_\_\_
17. Expand DSF.
18. Give command to install Django on windows platform.
19. Default IP address of build-in Django web server is \_\_\_\_\_ and default port of connection is \_\_\_\_\_.
20. are Project and App in Django?
21. Give the structure of a Django project and explain.
22. What is the purpose of the `_init_.py` in python?
23. Write command to create an app named customers inside Django project 'Online-shop'.
24. Can we have multiple apps inside a project? If yes, create 2 more apps namely 'products' and 'shopping-cart' inside the project 'Online-shop'.
25. How many sub files and folders are created automatically inside each app. Name them and explain.
26. Explain Django project architecture.
27. Django follows \_\_\_\_\_ architecture.
28. Expand MVC & MVT.
29. How will you register an app with the project after creating them?
30. Django models are created through \_\_\_\_\_ which maps to the underlying database.
31. Expand ORM.
32. What is ORM? What is the need for it in Django?
33. When should we define a model in Django project?
34. Where should we create a template folder and where will you place the HTML files of your django project?
35. Where will you write the view function for django project? Do we have to write separate view function for each html page we use?
36. What is URL routing?
37. Explain the steps to do the URL routing for a Django project.
38. What string has to be added to the default path of the web application in a Django project?
39. Write the working of `path()/url()` under `urlpatterns` of `urls.py`
40. What is URL confs/configuration?
41. Write code to run the Django build-in server for your web application.
42. Give import statement to write to a CSV file.
43. Name the 2 modes in which a file can be opened to write. What is the difference between both those modes.
44. Name the mode in which a file can be opened to read data from it.
45. Write code to open a CSV file in append mode and write few values in it.

46. What should be added to a html file for django framework's middleware to access and process html form's data?
47. \_\_\_\_\_ in Django project is the data management component.
48. \_\_\_\_\_ is responsible for presentation logic for a Django project.
49. \_\_\_\_\_ is handling logic or business logic of a Django project that links the URLs and templates through URL routing.
50. \_\_\_\_\_ provided by Django framework is the controller./Logic tier provided by Django framework is the\_\_\_\_\_
51. Write the differences between GET and POST method in form submitting.
52. What are ^ and \$ symbols in the regular expression?
53. Write the complete steps and code to create a django project to display "Hai,I am an Indian".
54. Write the complete steps and code to create a django project that uses GET method to search a word.
55. Write the complete steps and code to create a django project that uses POST method to find the sum of 2 numbers.
56. Develop a web application which prompts principle amount, rate and time and display Simple Interest.
57. Write code for views.py of a django project to add 2 numbers and display the result. Also store it in a flat file.
58. Write code for views.py of a django project to add 2 numbers and store both the input and result in a flat file. Now read all the data from flat file and display using HttpResponse.
59. Write code for views.py of Django project to add 2 numbers and display the result. Also store it in a CSV file.
60. Develop a web server application for a survey/poll and capture the response in CSV file.