

Assignment – 001

Topic: Introduction to Networking Basics

Channel: Code Dais (<https://www.youtube.com/@codedais>)

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Django Playlist Link: (https://www.youtube.com/watch?v=RpCS5erILEE&list=PL2xJLI2ps3vgQbZa6cBkxTg_YU8KJ_Jbi)

Submission: Submit your completed assignment by tagging Surendra Kumar Panda and Code Dais on LinkedIn.

Answer all questions with five or fewer concise points.

1. What is the primary goal of the Django Framework?
2. List some of the built-in features of Django.
3. Write short notes on:
 - a. Network
 - b. LAN vs WAN vs MAN
 - c. Router
 - d. Switch
 - e. Modem
 - f. IP Address
 - g. URL
 - h. Domain Name
 - i. DNS
 - j. Web Browser
 - k. Search Engine
 - l. Bandwidth
 - m. Password
 - n. Encryption
4. What is a standalone application? Give an example.
5. What is a web application? Give an example.
6. Discuss the advantages and disadvantages of web applications compared to standalone applications.
7. Explain the roles of the client and the server in the client-server architecture.
8. What is a request-response model in the context of client-server communication?
9. What is the role of the HTTP Request and HTTP Response object in Django?
10. What are some common functionalities of a web server and give two examples.
11. What are some common functionalities of an application server and give two examples.
12. Explain how a web server and an application server work together to serve a web application.
13. Provide examples of popular web server and application server software used with Django.
14. What does HTTPS stand for, and what additional security does it provide over HTTP?
15. What are some common HTTP status codes and their meanings?
16. What is SSL/TLS certificates and how do they contribute to HTTPS security?

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How to Submit Your Assignment on LinkedIn:

Log in to LinkedIn and click 'Start a post'. Introduce your assignment (e.g., Assignment 001: Networking Basics), mention Surendra Kumar Panda as the instructor, and highlight learning from Code Dais channel. Attach your assignment document in PDF format using the document icon. Tag Surendra Kumar Panda by typing @Surendra Kumar Panda in the post. Include hashtags like #CodeDias, #Django and #CodeDais. Optionally, send a direct message to Surendra Kumar Panda with the post link for assignment review and feedback.