Django Framework

Assignments: 1

1. What motivated Adrian Holovaty and Simon Willison to create Django?
2. When was Django first released as an open-source project?
3. What is the inspiration behind the name "Django"?
4. Which package manager do you typically use to install Django?
5. How do you install Django using pip?
6. What is the command to install a specific version of Django using pip?
7. Apart from pip, are there any other methods to install Django?
8. How do you display the Django version you are using?
9. How can you check if Django is already installed on your system?
10. What command is used to upgrade Django to the latest version using pip?
11. What distinguishes Django from other web frameworks of its time?
12. How did Django gain popularity and widespread adoption after its initial release?
13. Who currently maintains and oversees the development of Django?
14. Briefly describe the purpose of a model in a Django application.
15. What is the difference between a URL and a view in Django?
16. How do you include static files (images, CSS, JavaScript) in your Django templates?
17. How do you run the Django development server with other port number like 7070.
18. Where do you typically store static files in a Django project?
19. Where do you store template files in a Django project.
20. How do you add a new app to your Django project?
21. Write a Django view that fetches all Product objects from the database and renders them in a template.
22. Write the template tag to load static files.
23. Write the code to reference a CSS file styles.css located in the static directory.
24. How do you apply migrations in Django?
25. How do you create a superuser in Django?
26. How do you configure the location of static files in settings.py?
27. How do you pass context data to a Django template?
28. How do you access a variable name passed from the view in a Django template?
29. How do you retrieve all objects of a model in Django?
30. How do you map a URL to a view in Django?
31. How do you include URLs from an app in the project's main urls.py?
32. Write a model method to return the name of a student object.
33. Write a simple view to render a template called home.html.
34. Map a URL pattern to the home view.

35. How do you perform a for loop over a list called l in a Django template?
36. How do you register a model with the Django admin site?
37. How do you capture a variable from a URL pattern and pass it to a view?