

Python, Django kurs plani

Python core

1. Difference between static typing and dynamic typing) (interpreter and compiler languages
2. Python sintaksisi, izohlar, o'zgaruvchilari, number, string, Boolean, casting
3. Pythonda amallar
4. Python String metodlar
5. Python: List
6. Python: List metodlar
7. Python: Tuple, Set & Dictionary
8. Pythonda tarmoqlanuvchi operatorlar: If...else
9. Pythonda For sikl operatori
10. Pythonda While sikl operatori
11. Pythonda funksiya
12. Pythonda Lambda, map, Filter, reduce
13. Pythonda rekursiv funksiya
14. Loyiha ishi: Mehmonxona dasturi

Pythonda OOP(Obyektga yo'naltirilgan dasturlash)

15. Pythonda OOP. Class va Object
16. Pythonda OOP davomi
17. Pythonda vorisdorlik
18. Inkapsulatsiya
19. Dunder metodlar
20. Pythonda Dates va Math modullari
21. Pythonda JSON va RegEx modullari
22. Pythonda fayllar bilan ishlash
23. Amaliy ish. Python bo'yicha bilimlarni umumlashtirish
24. (TCP/IP, HTTProtocols)

Python telegram bot API

25. Telegram Bot Father bilan tanishish. Python-telegram-bot APIni o'rnatish
26. Telegram.ext paketi

- 27. Telegram paketi
- 28. Telegram.util paketi
- 29. loyiha ishi

PostgreSql

- 30. Difference between sql and Nosql Databases
- 31. PostgreSQL KIRISH
- 32. PostgreSQL Create Database & Table(Ma'lumotlar bazasi va jadval yaratish)
- 33. PostgreSQL Select & Where
- 34. PostgreSQL Insert, Update, Delete
- 35. PostgreSQL Where, Order By
- 36. PostgreSQL Drop Table, MySql Limit, MySql Join
- 37. PostgreSQL Loyiha

Django va DRF

- 38. Django bilan tanishuv. Django o'rnatish va sozlash
- 39. Views va URLs
- 40. Templates, HTML
- 41. Templatega ma'lumotlarni renderlash
- 42. Modellar va admin panel
- 43. Ma'lumotlar bazasida munosabatlar (Database Relationships)
- 44. Ma'lumotlar bazasida so'rovlar (Database Queries)
- 45. Model formalar
- 46. CRUD
- 47. Statik fayllar bilan ishlash
- 48. Ikki va undan ortiq applar bilan ishlash, users app
- 49. Django Signallar
- 50. Foydalanuvchi login, logout va registratsiyadan o'tkazish
- 51. Foydalanuvchi profilini tahrirlash
- 52. Foydalanuvchi tomonidan CRUD
- 53. Qidiruv va Paginatsiya(Search and Pagination)
- 54. Loyiha ishi. Amaliy ish
- 55. Loyiha ishi. Amaliy ishi
- 56. API
- 57. DRF va serialayzerlar
- 58. Nested Serialayzerlar va Serialayzer metodlari
- 59. APIViews, ListAPIView, RetrieveAPIView

60. Postman bilan ishlash
61. DRF yasg
62. JWT bilan autentifikatsiya
63. POST so'rovlari jo'natish
64. Frontend & CORS dan ma'lumot qabul qilib olish
65. Viewsetlar va routerlar
66. DRF autentifikatsiya
67. APIda login logout va Signup
68. Loyiha ishi. Amaliy ish
69. Loyiha ishi. Amaliy ish
70. Githubga kirish. Githubni o'rnatish va uning komandalari bilan tanishish
71. Deployment
72. Ma'lumotlar bazasini deploy qilish
73. Loyihani serverlarda sozlash
74. Docker
75. RabbitMq, apollo