FullStack NodeJS Bootcamp — 5 oylik ta'lim dasturini 1 oyda takrorlash rejasi

1-oy: HTML / CSS / JavaScript Asoslari

1. 1-dars: Kirish. Muhit sozlash. HTML va CSS tarixi.
2. 2-dars: HTML asoslari (TAG, formatlash, ro'yxatlar, havolalar, jadvallar).
3. 3-dars: HTML formalar va ularning elementlari.
4. 4-dars: CSS selectorlari.
5. 5-dars: CSS Flex, Position.
6. 6-dars: JavaScriptga kirish. Ma'lumot turlari.
7. 7-dars: Shart operatorlari va sikllar.
8. 8-dars: Funksiyalar turlari. Callback, Recursion.
9. 9-dars: Scope, Execution Context, Closures.
10. 10-dars: JS obyektlar, built-in objectlar.
11. 11-dars: String va Number metodlari.
12. 12-dars: Array metodlari (forEach, map, filter, reduce va h.k.).
13. 13-dars: Map va Set.
14. 14-dars: Destructuring, Date, JSON.
15. 15-dars: OOP, Prototypal inheritance, Class.
16. 16-dars: Instanceof, Mixin, Try/Catch, Promise, Async/Await.
17. 17-dars: Fetch va Axios.
18. 18-dars: Bind, Call, Apply, AbortController.
19. 19-dars: DOM va BOM.
20. 20-dars: Umumiy takrorlash va amaliyot.

2-oy: NodeJS Core, SQL (MySQL), NoSQL (MongoDB)

21. 1-dars: Node.js va muhit sozlash, npm, npx, REPL.
22. 2-dars: Node.js asoslari. Modul tizimi.
23. 3-dars: OS, PATH, FS, EVENTS modullari.
24. 4-dars: URL, HTTP moduli, OSI modeli.
25. 5-dars: WebSocket va HTTP moduli davom ettirish.
26. 6-dars: Express.js, EJS template.
27. 7-dars: Axios, GET, POST, DELETE.
28. 8-dars: PUT, PATCH, Router, Controller.
29. 9-dars: Amaliy loyiha orqali Express, CRUD mustahkamlash.
30. 10-dars: Ma'lumotlar bazasi tushunchalari, normal shakllar.
31. 11-dars: SQL (CREATE, DELETE, INSERT, SELECT, WHERE...).
32. 12-dars: JOIN turlari, GROUP BY, HAVING.
33. 13-dars: Subquery, INDEX.

34. 14-dars: Transaction, COMMIT, ROLLBACK.
35. 15-dars: Draw.io / DrawSQL orqali schema chizish.
36. 16-dars: CRUD yozish (oldingi schema asosida).
37. 17-dars: MongoDBga kirish, BSON, CRUD.
38. 18-dars: Compass, Atlas bilan ishlash.
39. 19-dars: Mongoose, Populate, Validatsiya.
40. 20-dars: 2-oy yakuniy imtihon.

3-oy: NodeJS Advanced

41. 1-dars: MongoDB bilan amaliy loyiha.
42. 2-dars: JOI validator bilan tanishuv.
43. 3-dars: Authentication va Authorization.
44. 4-dars: JWT, Access/Refresh token, bcrypt.
45. 5-dars: Middlewarelar va GUARD (police).
46. 6-dars: Xatoliklar bilan ishlash.
47. 7-dars: Real loyihada barcha bilimlarni qo'llash.
48. 8-dars: Nodemailer orqali email yuborish.
49. 9-dars: UncaughtException, Winston logger.
50. 10-dars: Winston-Mongo va Express-Winston.
51. 11-dars: Handlebars.js bilan tanishuv.
52. 12-dars: Real loyiha (Handlebars bilan).
53. 13-dars: PostgreSQL, pgAdmin, PSQL.
54. 14-dars: pg orqali CRUD yozish.
55. 15-dars: OTP kod yuborish (sms, bot).
56. 16-dars: Node Device Detector orqali device haqida info olish.
57. 17-dars: Real loyiha orqali mustahkamlash.
58. 18-dars: Koa.js bilan tanishuv.
59. 19-dars: CRUD (Koa.js).
60. 20-dars: 3-oy yakuniy imtihon.

4-oy: TypeScript, NestJS

61. 1-dars: Domen va VPS, PM2 bilan tanishish.
62. 2-dars: Sequelize ORM amaliyoti.
63. 3-dars: TypeScript asoslari-1 (types, array, tuple).
64. 4-dars: TypeScript asoslari-2 (interface, enum, OOP).
65. 5-dars: TypeScript asoslari-3 (abstract class, decorator).
66. 6-dars: NestJS arxitekturasi, Controller.
67. 7-dars: Provider, Service, Module, DI.
68. 8-dars: Middleware, Exception filter.
69. 9-dars: Pipes, Guards.
70. 10-dars: Interceptor, Custom Decorator.

71. 11-dars: NestJS CRUD + ConfigModule + PostgreSQL.
72. 12-dars: File upload, Static files.
73. 13-dars: Real loyiha boshlanishi.
74. 14-dars: Unit Test (Jest bilan).
75. 15-dars: E2E test.
76. 16-dars: NestJSda Email yuborish.
77. 17-dars: Telegram botga kirish.
78. 18-dars: NestJSda Telegram bot yozish.
79. 19-dars: Loyihani yakunlash.
80. 20-dars: 4-oy yakuniy imtihon.

5-oy: NestJS Advanced va Deployment

81. 1-dars: Swagger bilan hujjatlashtirish.
82. 2-dars: MongoDB va Mongoose CRUD (NestJS).
83. 3-dars: Test loyiha (Mongo).
84. 4-dars: MySQL + TypeORM (NestJS).
85. 5-dars: Test loyiha (TypeORM).
86. 6-dars: PostgreSQL + Prisma (NestJS).
87. 7-dars: Test loyiha (Prisma).
88. 8-dars: PassportJS bilan ishlash.
89. 9-dars: Microservices va RabbitMQ.
90. 10-dars: Axios orqali ma'lumot almashish.
91. 11-dars: GraphQL asoslari.
92. 12-dars: Apollo + GraphQL (NestJS).
93. 13-dars: Redis bilan ishlash.
94. 14-dars: To'lov tizimlari (Click, Payme, Stripe...).
95. 15-dars: Docker va Dockerfile.
96. 16-dars: Docker Compose bilan deploy.
97. 17-dars: GitHub Actions + CI/CD.
98. 18-dars: AWS/GCP orqali deploy.
99. 19-dars: Rezyume tayyorlash, intervyuga tayyorgarlik.
100.   20-dars: Yakuniy imtihon.