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**100Daysofcode challenge**

**Become a job ready programmer.**

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**started on November 18, 2023**

**JAYMIN DARJI**

**Finish Lecture in 100 days**

1. Java + DSA Course (Alpha)
2. Python codewithharry (40 Lecture)
3. JavaScript (13 Lecture)
4. React by Akshay Saini (10 Lecture)
5. Backend
6. Mega Project by Love Babbar

**Day 0 (Announcement Day)**

***Friday, 17/11/2023***

**Python (codewithharry) :-**

1. Lecture 61 : Inheritance in python
2. Lecture 62 : Access Specifiers in python
3. Lecture 63 : Snake, Water, Gun game in python
4. Lecture 64 : Intro to Library Management system exercise .
5. Lecture 65 : Static methods in python
6. Lecture 66 : Instance variables and class variables
7. Lecture 67 : Solution of Library Management system
8. Lecture 68 : Intro to Clear the clutter exercise

**Day 1**

***Saturday , 18/11/2023***

1. **Java + DSA (Alpha Course) :-**

* Revising JAVA basic concepts.
* Loops
* Pattern Basic
* Question related to Function
* Advance Pattern

1. **Python (codewithharry)**

* Lecture 69 : Class method
* Lecture 70 : Class method as alternative constructor
* Lecture 71 : dir(), \_\_dict\_\_, help() methods
* Lecture 72 : super() keyword
* Lecture 73 : Dunder method
* Lecture 74 : Method overriding

**Day 2**

***Sunday , 19/11/2023***

1. **Java + DSA (Alpha Course) :-**

* Binary to Decimal (using code)
* Decimal to Binary (using code)
* Advance Pattern Questions (9 questions)

NOTE :- Other time goes in to watch final match India vs Australia of ICC World Cup.

But we lost the Match. Better luck next time.

**Day 3**

***Monday, 20/11/2023***

1. **Python (codewithharry) :-**

* Lecture 75 :- Exercise 7 solution
* Lecture 76 :- Merge PDF exercise
* Lecture 77 :- Operator Overloading
* Lecture 78 :- Single Inheritance
* Lecture 79 :- Multiple Inheritance
* Lecture 80 :- Multilevel Inheritance
* Lecture 81 :- Hybrid and Hierarchical Inheritance
* Lecture 82 :- Merge PDF solution
* Lecture 83 :- Shoutouts to everybody exercise
* Lecture 84 :- time module in python

**Day 4**

***Tuesday, 21/11/2023***

1. **Python (codewithharry) :-**

* Lecture 85 :- Creating a command line utility
* Lecture 86 :- Walrus operator
* Lecture 87 :- Shutil module
* Lecture 88 :- Shoutout to everybody solution
* Lecture 89 :- Request module
* Lecture 90 :- NEWS App using news api
* Lecture 91 :- Generators in python
* Lecture 92 :- Function caching
* Lecture 93 :- NEWS App solution
* Lecture 94 :- Drink Water Remainder app in python

**Day 5**

***Wednesday , 22/11/2023***

1. **Python (codewithharry) :-**

* Lecture 95 :- Regular Expression in python
* Lecture 96 :- AsycIO in python
* Lecture 97 :- Multithreading in python
* Lecture 98 :- Multiprocessing in python
* Lecture 99 :- Desktop notification app
* Lecture 100 :- Conclusion and where to go next.

**Day 6**

***Thursday, 23/11/2023***

1. **Backend (Hitesh Choudhary) :-**

* Lecture 1 : Roadmap of backend
* Lecture 2 : Deploy backend app on production
* Lecture : Full Stack Jokes application.

Jokes application live link : https://jdjokes.netlify.app/

**Day 7**

***Friday , 24/11/2023***

1. **Backend (Hitesh Choudhary) :-**

* Lecture 3 : Taking Backend to Next Level
* Lecture 4 : Data Modelling for backend with mongoose.
* Lecture 5 : E-commerce and Hospital Management data modelling.

**Day 8**

***Saturday , 25/11/2023***

**1. Backend (Hitesh Choudhary) :-**

* Lecture 6 : Set up Professional backend project
* Lecture 7 : Connect Database in MERN.

**Day 9**

***Sunday , 26/11/2023***

**1. Backend (Hitesh Choudhary) :-**

* Lecture 8 : Custom API response and error handling.

Note :- Also I’m confused what to do further because the backend is looking like a hard for me and other tension to finish the Alpha course that’s why I not learning other things.

But but but : From tomorrow I’m staring a challenge to finish Alpha course in 21 days.

**Day 10**

***Monday , 27/11/2023***

1. **DSA in JAVA (Alpha Course) :-**

**Graph (Part 1):-**

* Introduction to Graph
* Types of Graphs
* Graph representation
* Graph Application
* Create a Graph.
* BFS (Breadth First Search)
* DFS (Depth First Search)
* Has path? (using DFS)

**Day 11**

***Tuesday , 28/11/2023***

1. **DSA in JAVA (Alpha Course) :-**

**Graph (Part 2):-**

* Connected components
* Cycle in Graphs
* Cycle Detection (Undirected Graph)

**Day 12**

***Wednesday , 29/11/2023***

**1. DSA in JAVA (Alpha Course) :-**

**Graph (Part 2):-**

* Bipartite Graph
* Cycle Detection (Directed Graph)
* Extra Read

**Day 13**

***Thursday , 30/11/2023***

**1. JavaScript :-**

* Async await (Akshay Saini)
  + - * async keyword
      * await keyword
      * how to use async function
      * why use async function than normal function
      * handling promises in async function

**Day 14**

***Friday , 1/12/2023***

1. **JAVA + DSA (Alpha Course) :-**

* Topological sorting using DFS
* Topological sorting using BFS (Kahn’s algorithm)
* Topological sorting using BFS (code)
* All path from source to target

1. **JavaScript :-**

* Project with Async await (Hitesh Choudhary)

**Day 15**

***Saturday , 2/12/2023***

Note :- Today I did nothing in coding, but I’m still consistent. Also push repository in github so strike is not break.

**Day 16**

***Sunday , 3/12/2023***

1. **JavaScript (Chai Aur Code):-**

* Lecture 39 : Api request and V8 engine.
* Lecture 40 : Promise in JS
* Lecture 41 : Now you know fetch

**Day 17**

***Monday , 4/12/2023***

**Note:-** Today I’m preparing for presentation for tomorrow. So whole day prepare for it.

**Day 18**

***Tuesday , 5/12/2023***

**Note :- To is the presentation day. So I go to the college and give the presentation, and presentation way ok ok. So don’t learn anything today. After coming to home watch reels, movies and all.**

**Day 19**

***Wednesday , 6/12/2023***

**Note:-**  Today I not learning anything. I just see reels, movies and other stuff.

**Day 20**

***Thursday , 7/12/2023***

1. **JAVA + DSA (Alpha Course) :-**

* Dijkstra Algorithm
* Dijkstra Algorithm (Code)

**Day 21**

***Friday , 8/12/2023***

1. **JAVA + DSA (Alpha Course) :-**

* Bellman ford Algorithm
* Bellman ford Algorithm (Code)
* What is MST?
* Prim’s Algorithm
* Prim’s Algorithm (code)
* Cheapest Flights within K stops
* Cheapest Flights within K stops (code)

**Day 22**

***Saturday , 9/12/2023***

1. **JAVA + DSA (Alpha Course) :-**

**Graph DS :-**

* Cheapest flights within K stops
* Cheapest flights within K stops (code)
* Connecting cities
* Disjoint set union data structure
* Kruskal’s algorithm
* Flood fill algorithm