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|------------------------------|------------|
| 1. <u>Lecture 1</u>          | 11-10-2022 |
| <i>a. Environment Setup</i>  |            |
| a) Introduction              |            |
| b) Node JS Setup             |            |
| c) Git Setup                 |            |
|                              |            |
| 2. <u>Lecture 2</u>          | 12-10-2022 |
| <i>a. Basics</i>             |            |
| d) Variables                 |            |
| e) Data Types                |            |
| f) Operators                 |            |
| g) Conditional Statements    |            |
| h) Loops                     |            |
|                              |            |
| 3. <u>Lecture 3</u>          | 13-10-2022 |
| <i>a. Functions -</i>        |            |
| i) declarations,             |            |
| ii) expressions,             |            |
| iii) scoping,                |            |
| iv) Hoisting                 |            |
|                              |            |
| 4. <u>Lecture 4</u>          | 14-10-2022 |
| <i>a. Arrays -</i>           |            |
| i. declaration,              |            |
| ii. accessing and replacing, |            |
| iii. llength,                |            |
| iv. push,                    |            |
| v. pop,                      |            |
| vi. shift,                   |            |
| vii. unshift,                |            |
| viii. Splice                 |            |
|                              |            |
| 5. <u>Lecture 5</u>          | 17-10-2022 |
| <i>a. Recursion -</i>        |            |
| i. Definition                |            |
| ii. Examples                 |            |
| iii. Use Cases               |            |
| iv. Problems                 |            |



6. Lecture 6

**19-10-2022**

- a. *Searching & Sorting* -
  - i. Linear Search
  - ii. Binary Search
  - iii. Bubble Sort
  - iv. Quick Sort

7. Lecture 7

**21-10-2022**

- a. *ES6* -
  - i. let,
  - ii. const ,
  - iii. arrow functions,
  - iv. import,
  - v. export,
  - vi. spread,
  - vii. maps,
  - viii. Sets

8. Lecture 8

**20-10-2022**

- a. *OOPs 1 - Classes & Objects*
  - i. assigning properties and methods,
  - ii. nested objects,
  - iii. this keyword

9. Lecture 9

**21-10-2022**

- a. *OOPs - 2*
  - i. Inheritance
  - ii. Abstraction
  - iii. Encapsulation
  - iv. Polymorphism

10. Lecture 10

**23-10-2022 & 24-10-2022**

- a. *Mock Interviews*