DSA 1 and 2				
Course Curriculum				**Aryabhata**
Subject	**Title/Topic**		**Title of lecture**	**Recordings: Instructor Ritika**
Basics of Programming	Development Enviornment Setup, Fundamentals of java		Introduction to Programming	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/b432478e69e84cf191dd
Basics of Programming	Control Structures and Loops		Fundamentals of Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d4d7eceab42c4d24a1be
Basics of Programming	Loops		Conditional Programming and Introductio	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/9b2c49bc86f947b497b6
Basics of Programming	Functions		Loops Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/c64bec1ff8674a798227
Basics of Programming	Objected Oriented Programming		Starting with Arrays	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d5f194e623e1406ba5d9
Basics of Programming	1-D Array		Continuing with Arrays	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0caed2e6209f485aaf10
Basics of Programming	1-D Array continued		Functions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/73e2aa985f5940a79016
Basics of Programming	2-D Matrix		Simple sorting (Bubble , Selection) -> Logi	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0df84bf05de84e23824e
Basics of Programming	2-D Matrix		Sorting-Insertion sort+Recursion Theory-	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/df9d9bddd0fe4174885f4
Basics of Programming	Functions & Recursion		Recursion Question Solving	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ed8c298f46c747619dfa
Basics of Programming	Recursion		Sorting-Merge Sort	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3765eeae89024a66b3c
Searching, Sorting & Time complexity	Time and space Complexity		Sorting-Quick Sort	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/6050ac44ace2401fb519
Searching	Linear Search and Binary Search		Sorting-Real time problem discussion (DS.	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/c970a06e8e81455990fb
Searching	Binary Search		Searching & sorting revision	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/b0f85a3fd50b45a48dcd
	Two Pointers		Functions and Recursion in Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/35f1cbc03ae24e83b1eb
	Bit Manipulation		Searching Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f34c8b04d7074c558182
Sorting & Time complexity	Simple Array Sorting and its implementation		Binary Search Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/650ca4bac81048fbbfc7
Sorting & Time complexity	Sorting using Divide and Conquer and implementation		Searching Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ab5534a7bbcc4342b29
Sorting & Time complexity	Sorting using Divide and Conquer and implementation		2D Arrays	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1281d1633edf4fedb5a1
Sorting & Time complexity	Sorting using Divide and Conquer and implementation		Strings	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3ae3c0579e654f41b4bc
Advanced Data types and Intro to Basic Data Structures	Strings		Strings Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/34d7735e4e9f453bbcf8
Advanced Data types and Intro to Basic Data Structures	Strings Contd.		Object Oriented Programming - Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d4d2b4ba3d0f4a49907c
Advanced Data types and Intro to Basic Data Structures	STL - 1		Object Oriented Programming	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/568050310b3e4bf2bf98
Advanced Data types and Intro to Basic Data Structures	STL - 2		STL	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0fbbb9f8639b4118a847
Advanced Data types and Intro to Basic Data Structures	STL - 3		STL Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fc6b2e169f3a44ef90ce7
Buffer Day			Problem Solving | Recursion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3392f6fdbbc84c90aabf2
Basic Data Structure - 2	ArrayList and Linked List - 1		Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ab8c2e14accf475dab12
Basic Data Structure - 2	Linked List - 2		Linked List continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/dc01ee81dca040368346
Basic Data Structure - 2	Linked List - 3		Linked List Continued 20	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/507cd06d718446d0986
Basic Data Structure - 2	Stack		Linked List (Double / Circular)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f1911c54aaae4a15b56d
Basic Data Structure - 2	Applications of Stack		Strings and Sorting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f077cf0afcc54139adab7
Basic Data Structure - 2	Queue		Stack and its applications	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5f062277ba2740de95a0
Basic Data Structure - 2	Applications of Queue		Application of Stacks	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/90e50ce4188944c0928
Math	Math -1		Queue	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/b0a05fc5269b41f78a69
Math	Math - 2		Application of Queue	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4dbe9afd97814956b3bc
Analysis of Algorithm - Advance	Greedy		Strings and Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/49f4567c46a04034896c
Analysis of Algorithm - Advance	Greedy		Application of Queue	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/2b7780b2aeaf4eb6bf34
			Application of Queue	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4ca3a6a7d06e4ec7b7b
			Application of Queue - Problem solving	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/95ee140a639f46709ac2
			Searching and Linked list in Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8593d05d2dd7478395c
			Maths[Modular Arithmetic, Modular Exp	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1bbc7a5acb014316b1a9
			Math | GCD, Primality Testing, Seive of E	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/48c1bc65f5844d4c806b

Subject	Title/Topic		Title of lecture	Recordings: Instructor Sagar
Analysis of Algorithm - Advance	Greedy		Divide and Conquer (Introduction), Findir	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ca03f89043344dcaab08
Analysis of Algorithm - Advance	Greedy		Leetcode Questions on Divide and Conque	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/510d37405a3c49929aa
Advance Data Structure	Tree -1 (Traversals)		Queue(12 Dec 2021)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a16e8d78d72c4f5bb90c
Advance Data Structure	Tree - 2 (Construction of tree from traversals, height of tree, mirror of tree)		Dynamic Programming (contd.) (13 Dec 2(	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/50c563347970461ba74
Advance Data Structure	Tree - 3 (LCA, Diameter)		Dynamic Programming (contd.) 15 Dec 20	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/161be7f2a37442d3a6ac
Advance Data Structure	BST		Dynamic Programming (contd.)(17 Dec 20	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a0470f1d86d344658127
Advance Data Structure	Heaps		Dynamic Programming (contd.) 18 Dec 20	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/98a143d528c64a29a6a
Advance Data Structure	Heaps		Dynamic programming and Backtracking	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/9d07f0212efd41a09fd73
Analysis of Algorithm - Advance	Dynamic Programming		Dynamic Programming (contd.) (20 Dec 2(	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8cc0ce3e1bf54c50ac18
Analysis of Algorithm - Advance	Dynamic Programming		Backtracking(22 Dec 2021)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fa7f0f5e92f749cc8958fa
Analysis of Algorithm - Advance	Dynamic Programming		Backtracking (contd.)(24 Dec 2021)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/c6d5eea516124b58958
Advance Data Structure	Graph - 1 (BFS, DFS)		Greedy Algorithm (25 Dec 2021)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5167f4406724470090e1
Advance Data Structure	Graph - 2 (Cycles in Graph)		Tree (26 Dec 2021)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3d2a112811a749c49d61
Advance Data Structure	Graph - 3 (DFS, BFS on matrix)		Tree (contd.)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0fb48877322141a58a94
Advance Data Structure	Graph - 4 ([Dijkstra Algorithm, Flood Fill Algorithm])		Tree (contd.)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ce09e99775b447a9b07
Advance Data Structure	Graph - 5 [Minimum Spanning Tree, Floyd Warshall, Topological Sorting]		Discussion on Dynamic programming (Pos	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/00fade757e4b43599bb5
			Discussion on Dynamic programming (Pos	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a0075208510948ac8c8(
			Leetcode questions on Trees(15 Jan 2022)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/12c847f830034a98a9ea
			BST(contd) and Traversal (extra)_(16 Jan	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/243671af99ca4cce8c35
			Heap (contd.)(23 Jan 2022)_Sagar	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1653b24d12d441cf917c
			Graphs (contd.) (26 Jan 2022)_Sagar	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/896a83283fd94a3fb768
			Leetcode Questions on Trees(29 Jan 2022)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/22b5915401c445ee82e(
			Leetcode Questions on Trees(30 Jan 2022)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/16293ac078d2479ea962
			Graph (contd.) (06 Feb 2022)_Sagar	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/c26ae7572a3c4d349922
			Graphs (contd)_13 Feb 2022_Sagar	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a994b64117ad42ef9131

Js

Title of lecture	Instructor: Abhinav
JS introduction, CSS Grid, Responsive Images and Videos	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/969d41ace08d433e808e1e4b792a3960.mp4
Execution Context and Call Stack, Javascript in browsers	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0523982ecb0a4596abb2c5ec783e0c40.mp4
JS Lexical Environment, JS Functions, First class functions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ad6907d25d01493f95712bb582701c75.mp4
Var vs const vs let (Scope), JS Hoisting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/353e23ddb88541fb8e7664167a1e1295.mp4
JS higher order functions, Anonymous functions, named functions expression	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/cc84f68f7604436182b9aac26793e100.mp4
JS Primitive types, Callback function, JS Control Flow	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/664492c2b0b345778b31d7960857f496.mp4
Git and Github	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/75418f9c4f664382afa5742f5eeea5ca.mp4
closure	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/52d0f180a8ba458fab522f2961af19e3.mp4
Js array, JS Properties of Array	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/df9490a3dc7246d68868c6c900a8c9be.mp4
Array loop methods (map, filter, reduce, forEach, some, every find)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5d2b9e8f8b4b4ed095f091aaae58bff1.mp4
Github Continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/804107bcf2214f1a8ca20cffbf6a191f.mp4
JS Arrow functions, JS spread operator, JS Prototypes	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/2f306ef79ac54b91977a33051f5b2748.mp4
Js objects, JS spread operator, JS Basic OOPS, 4 pillars	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/545692bf10f9450eb7b76e7bcc3e698a.mp4
JS Constructor & Constructor Functions, JS Value vs reference types	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ee2f2da642944641a14429962b32bc2a.mp4
JS Abstraction, JS Math	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8188c2586f30495bababb97fc83aa11b.mp4
JS String, JS Date	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5a0a710c6d6b4c5894ca00ecdcff9083.mp4
JS Prototypes, Prototypes, prototype chain & prototypical inheritance	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/208663f491b54339ad4318f0b1e6feca.mp4
Prototype Inheritance, JS BOM, JS BOM history, JS BOM window	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ec4d2534a2a947bc905ee6cc950190a4.mp4
JS Arrow functions, JS BOM navigator	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/56118c6f318149d6abb4027d4304ef67.mp4
Js objects, JS spread operator, JS Basic OOPS, 4 pillars	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/545692bf10f9450eb7b76e7bcc3e698a.mp4
Prototype Inheritance, JS BOM, JS BOM history, JS BOM window	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ec4d2534a2a947bc905ee6cc950190a4.mp4
JS Arrow functions, JS BOM navigator	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/56118c6f318149d6abb4027d4304ef67.mp4
DOM Model	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a6cdeaf5f3564da281edc5dc16440892.mp4
DOM Manipulation, DOM Selectors	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/13daea544d3e4be7a64cbf777f0d88f6.mp4
Creating and Adding html elements to page	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/6828e7e1d002404688497eca7225bd0e.mp4
DOM Events	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/2663cc0cc0654d9397a964e0c80f7031.mp4
Event bubbling, capturing and propagation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/39c60ddb8d8b44ed9e91931bf7ef55e5.mp4
setTimeout, setInterval	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a040caa1a5254a23bff771b3b6e248e0.mp4
Promises	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/19d150b761f54d258fd803994ea089e9.mp4
JavaScript Asynchronous Programming	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4c939e04a0a14948b3e3232fa9d606d7.mp4
JSON, Promise.all	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/73e62a0467524f999ec0b00568956609.mp4
Ajax intro, JS fetch, Axios	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/41c39c9f00e44875842e515005927b73.mp4
ES6 version, Async await try catch, ES6 Classes, JS Static Methods	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ae3bd3fe2bd64c42a19142f767d1d7ac.mp4
ES6 Getters & Setters, ES6 Inheritance, ES6 Method Overriding, ES6 this keyword, ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3a9538b11b9548fa91d8206191c5f763.mp4
ES6 Getters & Setters, ES6 this keyword	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/c4bc95125fb744009d6f554ab66ab928.mp4
JS currying, ES6 Inheritance, ES6 Method Overriding	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/61768c1abfb1429e9d8033ee33594667.mp4
JS Major Project (Note Keeping)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/eccc09583ed94cb4a2dd1dab7850dd77.mp4
JS Major Project Sudoku	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/eb7d8d39a2b4413a958a0c6c25135239.mp4
JS Major Project Sudoku	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/091b2b09ada348429899508e89832261.mp4
JS Major Project Sudoku	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/18d2c4c300e541179b4edc5d464409f1.mp4

React

Title of lecture	Instructor: Abhinav
React getting started, What is React JS?, Why React?, Create-react-app, What Are ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/353ef841319f4546932575ef7fa21b8a.mp4
NPM + NPM Scripts, React Basics, Setting up NPM & package.json, Installing & usi	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/7ef61772d89046a684ffa3aabdd86758.mp4
ReactJS, What is virtual dom, Introducing JSX, Building a First Custom Functiona	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8f022aa2937a45f98a09baab8a3a6cd4.mp4
React Basics, Outputting Dynamic Data & Working with Expressions in JSX, Splitti ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4ab4aa622ac04ee2add0993a48795a54.mp4
Understand & work with props, Adding normal JS logic to components, Organizing C ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/98eb7495374344739433caefbf96946a.mp4
Children prop (Concept of Composition), Component functions execution understand	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d4b44a2a06fa4ce0a2c8f9523c4b9691.mp4
Working with "State", Working with Multiple States, Stateless vs Stateful Compon ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0aef372a128b4d958d94fd9290368465.mp4
A Closer eye at "useState" Hook, Child-to-Parent Component Communication	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/345bbd1f0a084464aad1fbc86cbba3c3.mp4
Why Update packages, Lifting The State Up, Updating State That Depends On The Pr	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8435651b9b1941679fd91f23feae2fa0.mp4
React State & Events, Rendering Lists of Data, Understanding "Keys", Outputting ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-jtjk1a7btag0-2b100060abc6421ea41fb6c502972d72.mp4
Rendering Lists & Conditional content, Using Stateful Lists, Adding Conditional ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-5f8k3yiauy5i-f296cc3c1d6849d0b53fbd7c1226c679.mp4
React Basic CSS styling, Adding Dynamic Styles, Setting CSS Classes Dynamically	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-f6a9wmwycx4t-d52a1072dcd44d159856295d1c807d5a.mp4
Adding Form Inputs, Listening to User Input, Working with Event Handlers	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-j5okhcuxxsnn-680bb619b3b64be6b44502629dece7e5.mp4

						Title	URL
						React State & Events, Handling Form Submission, Adding Two-Way Binding, Controll	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-xunroni2h6wi-bb11d271611d4186b8cebdf0ded7a851.mp4
						Working with Forms & User inputs, Adding Basic Validation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-wneuebog9ka1-9cf4f7193ef142d1beb602eda3523d63.mp4
						Class based components, Providing Validation Feedback, Class-based vs Functional .	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-e6t9feyxni46-46e81b0e503a4732939e5806bcb97590.mp4
						Working with Fragments, portals, refs, Working with State & Events(Class)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-v6p4ah3e01qx-948b36ca972247fd983beb9222fca390.mp4
						Class based Component Lifecycle	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-qsor9pr10hsi-e5f7242fac614013ba657be739497411.mp4
						React Handling Side Effects, Lifecycle Methods In Action	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-mbawh2mtqie9-1fe26de26ea94033a7a7c7004408e643.mp4
						React Handling Side Effects, Lifecycle Methods In Action	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-mbawh2mtqie9-1fe26de26ea94033a7a7c7004408e643.mp4
						Working with APIs(React), What are "Side Effects" & Introducing useEffect	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-qlfkgg4zyxdx-30ca79bbcd5f4babb609e3f6719e51d8.mp4
						Using the useEffect() Hook, UseEffect & Dependencies	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-1b0fax8ewaps-949e2e3fdff34068bb6a6768e1508afd.mp4
						React Project Session	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-6a9b4z7ptf8b-efddb0aa3a2b4151a5de9e2046981ad0.mp4
						Sending a GET Request using fetch (class based component), Using useEffect() For ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-vqkc4e8gyw3u-c67fcee0ff904cbe9e640bdcb970ae28.mp4
						Handling loading of data building a loader, Sending a POST Request	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-fqpn3yr08lwl-4b3a58c02673491cabfa25ad0c0076e6.mp4
						Intro to useReducer & Reducers In General, Using the useReducer() Hook	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-v5u6o0wlac8t-ad13f550639a4632a62103d18e6ca4a8.mp4
						UseReducer Hook, UseReducer vs useState for State Management, Intro React Contex ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-ydhb7kxfqcnz-f0568556e6e7475ba2f123656ebf0bbe.mp4
						Using the React Context API, Tapping Into Context with the useContext Hook	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-40tvwaww9q7h-2ab7bc94b917458e9842710ef0a191bb.mp4
						Context API, Class-based Components & Context, Making Context Dynamic	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-rgpxm1kgffqv-f745ee0d5f97493a90b93fbe9f67b3e2.mp4
						React Assignment Solving lecture	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-xr7ukp493e8z-5deed9bbc81f45e6b48cb4d6af2bff89.mp4
						Building & Using a Custom Context Provider Component, React Context Limitations	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-y9lm4lyaaq1h-124f804b0478474eb929a84b825a2400.mp4
						Building theme toggler, Working with Fragments, portals, refs, Creating a Wrappe ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-3d3qh4vp5b0t-79ce9b4022054cccb9b25f19d6f33105.mp4
						Working with Fragments, portals, refs, Building theme toggler	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-rdsyg3lf3nas-2cfc195b97224d7e8dca51c04852a30d.mp4
						React Router, Creating a Wrapper Component	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-ppk2qxbbxxgj-84343e763df2477cb4cbd4b1798fa9e3.mp4
						What is Routing & Why?, Installing React Router, Defining & Using Routes (React) .	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-hxfj7df17xml-01c9ffaa66c2404d81c7834c10972198.mp4
						Adding Dynamic Routes with Params, Extracting Route Params, Using "Switch" and "	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-1ag9ha4sfeqd-99f5940f48964c029c9fa2afe12db6be.mp4
						Redirecting The User, Implementing Programmatic (Imperative) Navigation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-1psactu2z4d1-6bb23d919d364f1caba32a0f6f563920.mp4
						Working with Fragments, portals, refs, Working with Query Parameters	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-k2gqoi9v7gts-1b4349800d4646a3a72700d58b116105.mp4
						Working with "ref"s	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-v5tbphnyi76i-2d33d51b184c437baf8fe84c1ac4833b.mp4
						React Optimization, Diving into "Forward Refs", How React Really Works	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-jn32ic1zpkcz-40f1020dd2bb41488455133a692f611a.mp4
						Component Updates In Action, A Closer Look At Child Component Re-Evaluation, Pre ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-55bnod71zllj-f7fbc25889a848c1a5a10ec45e0b2d5a.mp4
						Preventing Function Re-Creation with useCallback(), UseCallback() and its Depend ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-vc2dlpv1uueg-9757d56fba7c4b8e941d160b80532aba.mp4
						React Authentication, State Scheduling & Batching, Redirecting to private page t ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-kc0sojlqxg68-64fe779136b048f5a1abd04bed320eeb.mp4
						Deploying React Apps, Add signin, signup, logout functionality(React), React Dep ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-jlsgqj97a0u3-a7c7a410c4224672bfa6d7b2750f410c.mp4
						Redux, Redux Intro, Redux vs React Context, How Redux Works + State Management, ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-b2nyjgbw8dr6-3d94daf7c7a744faa2c031eab164c52c.mp4
						Redux Actions & reducers	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-menz6d2ev1af-41a40dba05f64405a700e5e9b8e09f21.mp4
						Redux Store & Provider, Redux connect(), Redux Project structure, Redux Hooks	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-menz6d2ev1af-41a40dba05f64405a700e5e9b8e09f21.mp4
						Redux Middleware	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-xo7vc4zbjsqg-a1e626e9c83546138df530278d27c3d0.mp4
						Redux Middleware, Redux async actions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/lecture-71jhetrqqx77-afa84f8bf6454ca699b9cd92c94a6e11.mp4

Title of lecture	Recordings: Instructor Nikhil Arya
Java Programming - [Syntax], Input, Output	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ed794bc02dbf4e689cc20b08678f35e2.mp4
Datatypes & Variables	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8f040b17622b445bb5c1f45256590c55.mp4
Variables & Operators, Operators, If else ladder, Ternary Operator	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5ef3e76476204e99967db4f3ef24723e.mp4
Control Structures, Loops, Switch case	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a3f9699b1dba40de83ca0262933c4385.mp4
Basics of Programming, Functions (DSA)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/9c38e9d4e0634bb6ba9e91e8bbb67e00.mp4
Doubt Session	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/025128a479bc44bbb1e5cba7e480afab.mp4
1-D Array	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ec838a3ee53d413fac3a99c6d80530f1.mp4
Primes, Geometry	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/46677a4e2e6c40658362fe79aba045d7.mp4
Revision	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/06549464855d4faa9785bc0269e3f176.mp4
Java Revision	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/2c9f6d78385f47b48dbdcca77788e72b.mp4
Java Basics - 2 (Revision)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3d73b2c5b7a84288af0afdf96a73c821.mp4
Java Basics - 3 (Revision)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/517291bf645047b696d3eb769e388d9a.mp4
Assignment Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/aabfcbb750c043788f0f2191c0d183ac.mp4
Java Basics - 4 (Arrays - Revision)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3977c7167d23476c98beafb5e0157090.mp4
Arrays, GCD, 2-D Arrays	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/662fb24f1fb340728c54edead54c7ff4.mp4
Object Oriented Programming, Class Initializors, Constructor (DSA), Encapsulatio ...	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1d2f19a9d1cf4041867bb0aa6f7c67ad.mp4
This keyword java, Polymorphism, Access Modifiers	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/aa5b89247898437f96e07fae6cb6b0ae.mp4
Inheritance, Abstraction, Interfaces, Function Overloading and Overriding	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1e696979da3342a49cdcd26f6a8998ea.mp4
OOPs Revision	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/028bc73945244377b96b73f06db6129d.mp4
Recursion(new)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1fb1f70d18724b4fa7f827a5f88809e7.mp4
Divide & Conquer	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ff3821891d674c27a3d1311fa8665b44.mp4
Time and Space complexity, Searching	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/54d980cb05204277ab9d1f475282f726.mp4
Linear Search	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/e1595aa2d8e1431ea4c67340a502e021.mp4
Binary search	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/65d3e827793547a98dc71af51f71084f.mp4
Assignment Solving	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/eda9ddd809fa47d1b843a638be270725.mp4
Assignment Solving	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5f3e811b8157404ca7799bc18663b1ab.mp4
Sortings, Insertion Sort, Bubble Sort	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/415b442a00ce4499a7d6d1df2e966509.mp4
Merge Sort	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a78e2ba8ca624a92adc20ab58491dce6.mp4
Sieve & Prefix Sum	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/6c0334c038a74a5bae6816cb183db892.mp4
Assignments Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/abe2de4db9654d129d870c7d6ae3de52.mp4
Assignments Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/36c80fdd4db1483ead014ebcf84a2734.mp4
Quick Sort	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a7d83b2786204209a25e8e8703e085b6.mp4
Assignments Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4bbef5e3f83f49c8a662513d16df4c82.mp4
Two Pointers	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/7d3d0261c8484d58bb9a7bb60c35bd30.mp4
Assignment Solving Class	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0046363c0f7a4f33b84cd19612ce1062.mp4
Hashing	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d7509b7e0dc54c758b25513512a9a922.mp4

Assignment Solving Class	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8cd9e6dba1404be2a866d75f1f63194d.mp4
Bit Manipulation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/923a282775b1456f9e4c4b7275f062e3.mp4
Linked List, Single Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/7415dedb7a72452baf8166b6ad886316.mp4
Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/560506e85e024657ae5c8e5b9a7f5dab.mp4
Double Linked List, Circular Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fa175a62476148c88a0469334bd395a6.mp4
Array List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/77db08a9931e4e2186f719b3137cdde9.mp4
Stack	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8946c767d3f149dc9c9bba168adb35db.mp4
Assignment Discussions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1eed960a59e54309a0d34661f2cd8281.mp4
Assignments Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d8a3b8791d6a4cb88dd5e3f6157d8f1a.mp4
Strings, Modulo Arithmatics	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/e4fbb2d2289e405b916dcf5d11056627.mp4
Queue	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/9843c4f73e834c85aa1a85bd6eac3cde.mp4
Deque, Sliding window	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f40ab923589342ec97d9daf44e3da7f8.mp4
Backtracking	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/12f48834dc01412db930e298899746e6.mp4
Assignments Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/0a66817549474c56b7513c7f44bb201f.mp4
Assignment's Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/9a4a13c1d01b44bc89521ef49c5cbc37.mp4
Assignment's Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d13bddc030da4aa3a5232befe404b8d2.mp4
Assignment's Discussion	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/06c33374ac7c4e82a4969f38b6040133.mp4

	Course Curriculum				Falcon and Black Bird
Module	**Subject**	**Title/Topic**		**Title of lecture**	**Instructor: Anuj Garg**
Fundamentals of web	HTML	Introduction to HTML and Web		Intro to HTML	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fb98a3a8b!
	HTML	HTML Layout Tags, and lists and media		HTML Tags and Attributes	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/624f239116
	HTML	HTML tables and Forms		HTML remaining concepts and Intro to CSS	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/573648277
	HTML	Forms Continued		CSS continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d4cb74764
	HTML	Forms in Details		N queen problem	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ae83341c7
				Trees in Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/bed4af716(
	CSS	Intro To Styling		CSS continuation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/7103ea2c7
	CSS	Deep Dive to CSS styling		Wrapping up CSS	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/57ae94959
	CSS	More into CSS		Bootstrap	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f0d1efeec7
	CSS	CSS Flexbox		project Implementation - (HTML Instagram)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/74408f657!
	CSS	Responsive CSS		Bootstrap	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/af58f36c81
	CSS	Responsive CSS-3		Bootstrap Layout	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fa5e76f406
	CSS	Responsive CSS-4		**Bootstrap Layouts**	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/06f49c5ef5
	GIT	Introduction to GIT		Playbook questions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/b66f795429
	Javascript	Intro To JS		**Intro to JavaScript**	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/46399c1f1(
	Javascript	JS control flow		JS as a programming Language , Objects	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/29982bede
	Javascript	JS Array		This keyword and Scope, Hoisting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/7c11e9a18
	Javascript	JS Object -1		Higher order functions, currying, strict mode	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/8b8ab531d
	Javascript	JS Object - 2		Closures and Hoisting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/fb64f894bd
	Javascript	JS Object - 3		DOM Manipulation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d7852dac8
	Javascript	Functions deep dive and new control flow		BOM vs DOM	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/02d9a1254
	Javascript	JS Prototypes,Prototype Inheritance		Execution Context and Hoisting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/1abe793bd
	Javascript	DOM		Events and Event Listeners	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5bc832564
	Javascript	DOM -2		Project Implementation -Building Flipkart Homepage with JavaScript	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ff4daffa0aa
	Javascript	Operators and Intro to ES6		**Browser Architecture**	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ab461f2d3(
	Javascript	Deep Dive to ES6		API calls with fetch	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/22ea810b8
	Javascript	Async JS-Sending and recieving data		App using weather API	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a2896cd2b
	Javascript	More Async		**Event Bubbling, Capturing and Delegation - 21 Sep 2021**	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a415e3e43
				Event Bubbling, Capturing and Higher order functions	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4ae350edb
				ECMAScript's 6	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/47048028f!
				Prototype and async JS	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a116f78336

		React			
	Course Curriculum			Balck Bird	
Module	**Subject**	**Title/Topic**		**Title of lecture**	**Instructor:**
React	React	React setup and Intro		Intro to React, NPM and installation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/35dcc6d9f3ef
	React	React Basics		JSX and class component	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5a860de85be
	React	React more basics		State, Props and Component Lifecycle_30th September	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/b723455f25a(
	React	React State		React Lifecycle Methods and finishing with React Class Component	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/4dc7ae4d477
	React	React State-2		React Functional Component	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/becd4e0279c
	React	React events & forms		JSX | Virtual DOM	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a318b6b054d
	React	More Forms		Rendering: useState and useEffect	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/65880a4ec36
	React	Lists and Conditional Rendering		Context API and react router	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ec9b8d58e2f
	React	More Coniditional Rendering & styles		API calls and Hooks with React	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/79ff92ca1526
	React	React Handling side effects		React hooks continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a400f128628(
	React	Working with APIs(Functional only)		Resume building and interview preparation	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/effc9b63d8b5
	React	useReducer Hook		React hooks continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d3a469e94af
	React	Context API -1		Redux Intro	iutrxo.cloudfront.net/video/course/video_session/6e3027c4fc804ed295415418
	React	Context API - 2		State Management in React	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/be1f77e527d
	React	Advanced React -1		Redux Store and Middleware	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/5d1a74807cf
				Middleware	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/a49228d74c3
	React	React optimization		Higher Order components	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/3aeccb8d369
	React	React optimization-2		Error Boundaries	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/447bf48936f2
	React	Class Based Components		Some Advanced Topics and React Wrap Up	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/cdc151866bc
	React	Building custom React Hook			
	React	React Router			
	React	Auth and deployment			
	React	Redux			
	React	Redux async			