

DSA			
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/b432478e69e84cf191dc
Basics of Programming	Control Structures and Loops	Fundamentals of Java	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/d4d7eceab42c4d24a1b
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) -> Log	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/b0f85a3fd50b545a48cd
	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/1281d1633edff4fedb5a1
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/34d7735e4e9f453bbc8f
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/0fb9b9f8639b4118a847
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/3392f6fdbbc84c90aafb2
Basic Data Structure - 2	ArrayList and Linked List - 1	Linked List	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/ab8c2e14acc4f75dab12
Basic Data Structure - 2	Linked List - 2	Linked List continued	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/dc01ee81dca04036834
Basic Data Structure - 2	Linked List - 3	Linked List Continued 20	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/507cd06d7184448d0986
Basic Data Structure - 2	Stack	Linked List (Double / Circular)	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/f1911c54aaee4a15b56c
Basic Data Structure - 2	Applications of Stack	Strings and Sorting	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/54e7a5e8c60e43e7bc8
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/1bbc7a5acb014316b1a
		Math GCD, Primality Testing, Sieve of E	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/48c1bc65f5844d4c806b



Web Development Fundamentals(HTML, CSS and JavaScript)				
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/fb98a3a8b5
	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/f0d1feec7
	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/b66f79542
	Javascript	Intro To JS	Intro to JavaScript	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/46399c1f1c
	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/ab461f2d3e
	Javascript	Deep Dive to ES6	API calls with fetch	https://d3dyfaf3iutrxo.cloudfront.net/video/course/video_session/22ea810b8
	Javascript	Async JS-Sending and receiving 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/a116f7833e



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://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/35dccc6d9f3ef
	React	React Basics	JSX and class component	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/5a860de85be
	React	React more basics	State, Props and Component Lifecycle_30th September	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/b723455f25a0
	React	React State	React Lifecycle Methods and finishing with React Class Component	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/4dc7ae4d477
	React	React State-2	React Functional Component	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/becd4e0279c
	React	React events & forms	JSX Virtual DOM	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/a318b6b054d
	React	More Forms	Rendering: useState and useEffect	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/65880a4ec36
	React	Lists and Conditional Rendering	Context API and react router	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/ec9b8d58e2f
	React	More Conidional Rendering & styles	API calls and Hooks with React	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/79ff92ca1526
	React	React Handling side effects	React hooks continued	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/a400f128628
	React	Working with APIs(Functional only)	Resume building and interview preparation	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/effc9b63d8b5
	React	useReducer Hook	React hooks continued	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/d3a469e94af
	React	Context API -1	Redux Intro	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/6e3027c4fc804ed295415418
	React	Context API - 2	State Management in React	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/be1f77e527d
	React	Advanced React -1	Redux Store and Middleware	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/5d1a74807cf
			Middleware	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/a49228d74c3
	React	React optimization	Higher Order components	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/3aecb8d369
	React	React optimization-2	Error Boundaries	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/447bf48936f2
	React	Class Based Components	Some Advanced Topics and React Wrap Up	https://d3dyfaf3iutrzo.cloudfront.net/video/course/video_session/cdc151866bc
	React	Building custom React Hook		
	React	React Router		
	React	Auth and deployment		
	React	Redux		
	React	Redux async		

