16 Recursion

17. Searching Linear & Binary

1e. Sorting - Insertia & Bubble

40-42 Lettures for Java DSA Flow of Java: 1 Intro to computer basics 19. Sorting-Selection & Quick 2 Pseudocode 20 Sorting - Merge 21. Sorting- Counting, Bucket, Radh 3. First code 4 Syntax, Keywords & Operators 22. General Math-5 Loops -1 6 · Loops — 11 24. Prince - Sieve of Erathos Theres 25. Modulo arithmetics 7. Control Structures 26 Bit Manipulation 8. I/p 0/p 27. OOP-Objects & Classes, Constructors q. Function 28 Oop-Encapsulation of Inheritane. 16. Time Complexity -29. Op - Inhertance 12. Array (D 30. OOP- Polymorphism 13· —11 2D 31. Linkedlist -I 14. ArrayList 32 Doubly Linked List is. Strings 33. Circular Linked List

34 Hash Sets

35 Hash Maps

36. Stack

37. Queye	39. Binary Tree Traversal: BFS
s. Trees	40. — 11 — '. DFS
No pre-requisite	
How many of you have ever started a computer?	
So what a computer	does according to you in most
simple terms?	
Input Proc	1991 -> Output
, , , , , , , , , , , , , , , , , , , ,	· ·
· what is this ilp here?	
any piece of infirmation / Data.	
J	
· In real life, if we want to pass into to another	
person, how do we	do H?
Larguage: Endish / Hindi	
Use Sign: Frownin	g, Nodding, Winking exercett.

But, What if I want to communical some info. to my computer/ phane? So what long ways can puters use?
Computer/phone, 30 00 00 mg/ computers use
Br'ng (0/1)
. Why binary or why only ofth
Computers use millions of electronic circuits of
Computers use millions of electronic circuits of switches which can be either ON at OFF.
0n- 1
OH -0
Revise: Convert Decimal to Binary.
$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
2 4 1
2 2 0 (00 101)
2
Hlw: Read about ASC(1
Hlw: Kead about 75C(1)