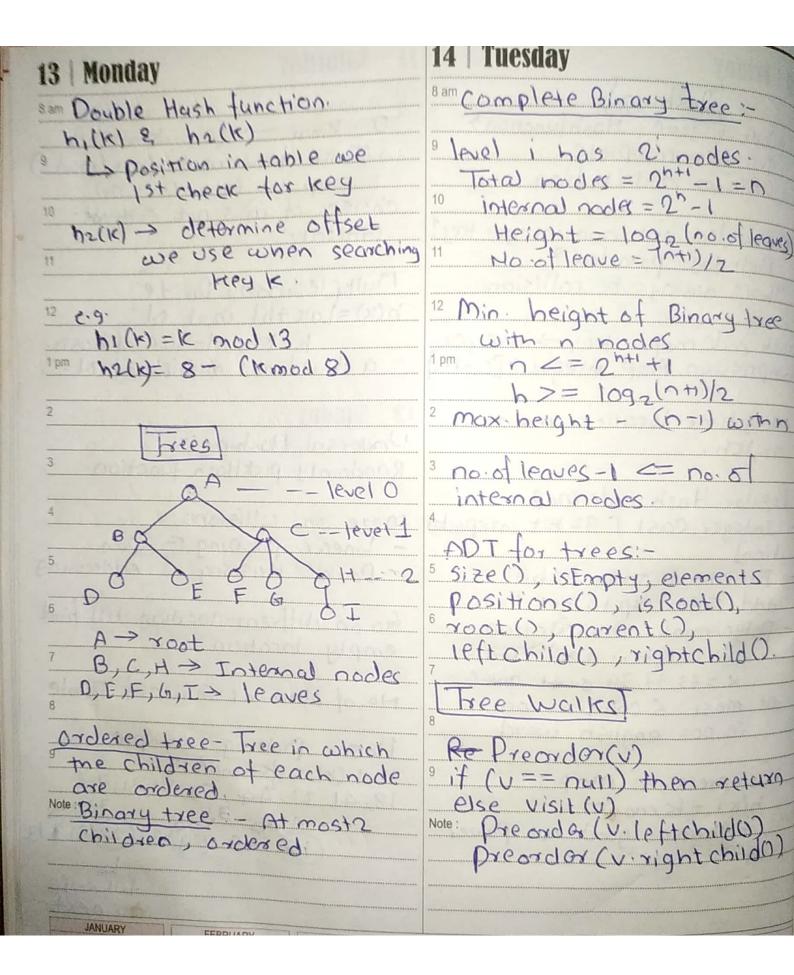
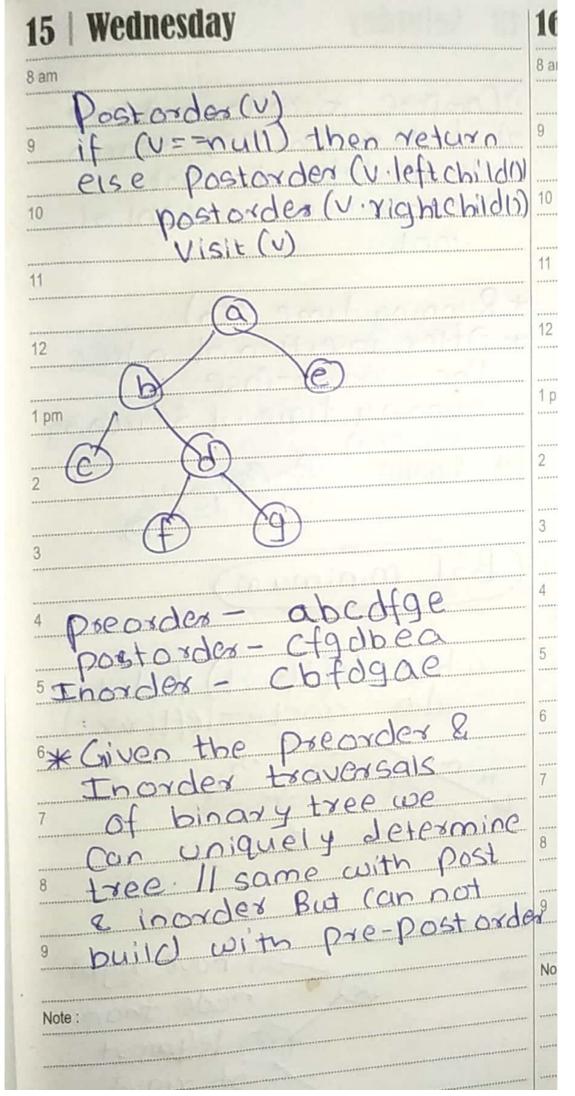
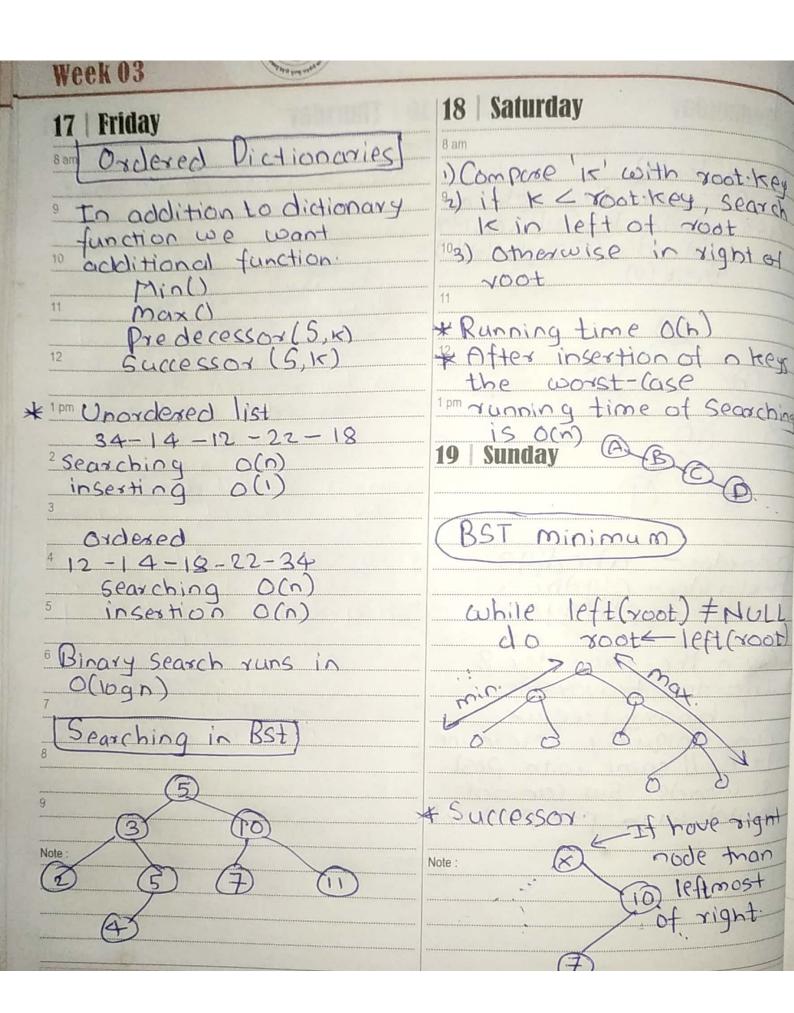
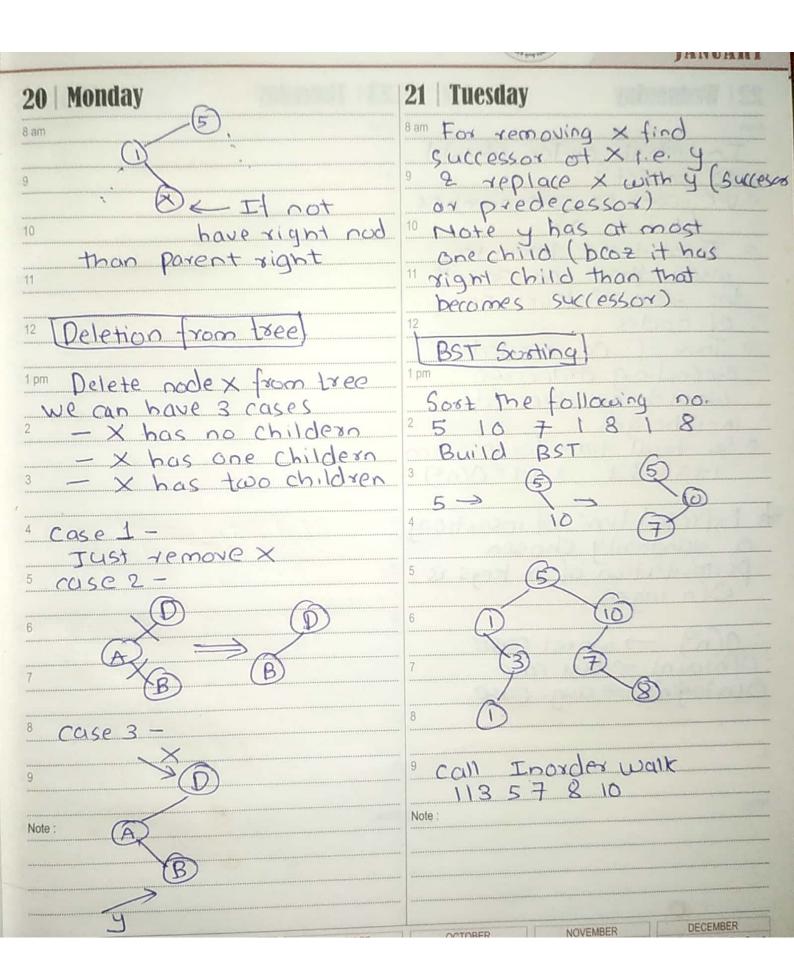
| | JANUAKY |
|--|--|
| 10 Friday | 11 Saturday |
| 8am Hashing) | 8 am |
| what is good Hashfunction> | 0 Kman -> [0 Kmax] A |
| 9 - quick to complete | 9 Take tractional part (mod) |
| - Uniform distribution | map to into 0 m-1 |
| 10 | 10 choise of mis not critical. |
| How to deal with non-integer key? | Critical: |
| 11 Richardous Dogodon 9 | 11 9-2 0.000 |
| There aways be collision. | Multiple road, Divide |
| 12 | 12h(1x)= ak+bi mod N |
| hash code map key - integer | k-key, M-size of hash. |
| 1 compression map integer > [0, H-1] | 1 pm a should not multiple of N. |
| | |
| 2 Every time location must | 12 Sunday |
| match. | Universal Hashing: |
| 3 | Randomly pickHash function. |
| Popular Hash code map | |
| 4- Integer Cast [32 bit intersetat | more on collisions: |
| ition | - Linear probing ? open |
| = For more man 32bit | - Double Hashing J Addressing |
| add them up to get 32 bit | |
| - Polynomial accumulation. | Go on diffrent location till find |
| $a_0 + a_1 x + \cdots + x^{n-1} a_{n-1}$ | empty location |
| x = 33,37,39 0,41 gives | 1 = 10 |
| at most 6 collision on | Ho of element & size of Table |
| 50,000 english word. | |
| 9 | Linear Probing Example. |
| Compression Map | $h(k) = k \mod 13$ |
| h(k) = K modm | 18,41,22,44,59,32,31,73 Note: 44,32,732 |
| m-prime good not powers | (18) 44 59) 32(22) 31 173 |
| . 0 1 2: | |
| | 4111:90 |
| | to next |
| | OCTOBER NOVEMBER DECEMBER |









| 22 Wednesday | |
|--|-------------|
| 8 am | |
| In what order should | A |
| 9 we insext 9. | |
| | 2.8 |
| 10 {1,2,3} | |
| o Total time taken to | |
| insert these no equals | Ś |
| the sum of level no. | ********* |
| 12 of nodes | *********** |
| o Thus if no inserted in ascending order we |) |
| would get tree of | 2 |
| ² (n-1) height | |
| o so total time for insert | h'a |
| $\frac{3}{1+2+3++n-1} = 00$ | |
| * Expected time of insertice a randomly chosen 5 Permutation of n keys O(n logn) 6 O(n²) -> worst case O(n logn) -> Best case O(n logn) -> aug. case | |
| 9 | |
| | |
| Note: | |
| | ********** |
| | |
| | |