Linked Lists:

A linked list is a linear data structure

in which each element is storted as an object in non contiguous memory location.

tach object stores two things, one is the data value) and the second is the memory location

of the next or previous addresses.

Multiple objects are linked together to act
as a linear data structure.

ex: web pages, online examination.

single Linked List! Each object stores the data and the memory location of the hert or previous object : Hence in a single linked list traversal is only possible in single direction her, head to tail.

Example: linked list implementation in Java. import java. util. "; class Main (public static void main (string args (7) { Linked List LInteger 7 · 12 = new Linked list cInteger > (), hadd (i); hadd (2); 11. add (3); 11- add (1,5); System. out. println (12); 11 [1,5,2,3] Ilupdating the element at index 3 to 100 11. set (3,100); 5.0.P(11); 11 [1,5,12,8] 3 livemoving the element 21. remove (100)? Itterating over linked list using getl) method and for loop. for (int i= 0; ill1.size(); i++){ 5.0. p (11. get (i) +""); 11 Itterating over for each loop for (int i: 12) & 5.0.P(11);