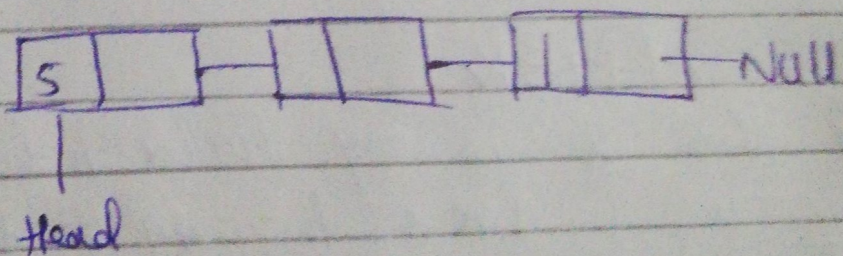


Name = Haider zaman
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Total marks = 50

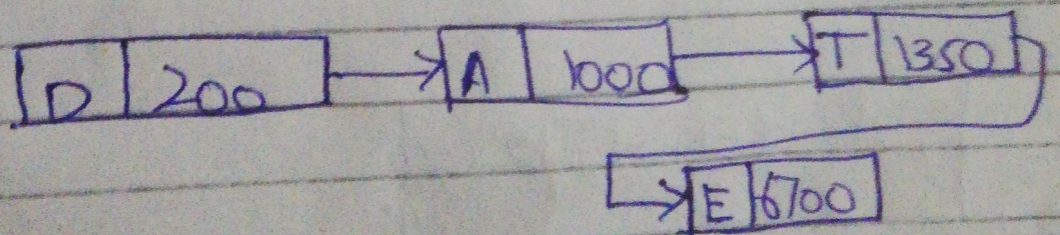
Question 1

(a) Linklist

- A linked list is a linear data structure.
- Nodes made up linked lists.
- usually the pointer is called next.

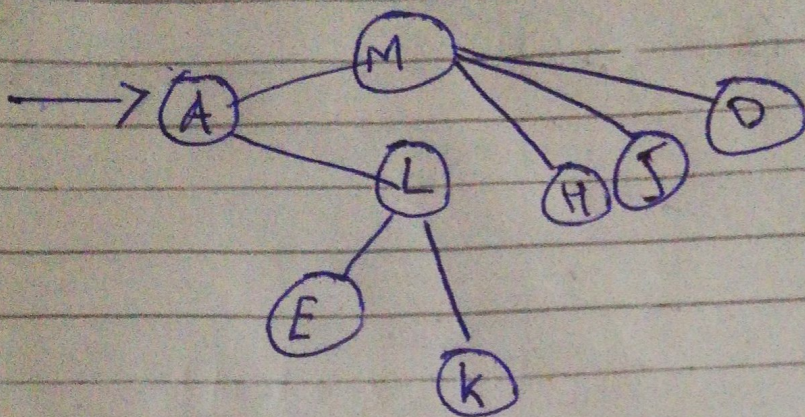


(b)



Question 2

Apply Breadth First technique.



→ In BFS Firstly we select any of the starting node. we select A
Now we ~~are~~ exploring the A so adjacent are L and M

→ A L M
now we comes to L ^{and explore} and adjacent are E and K

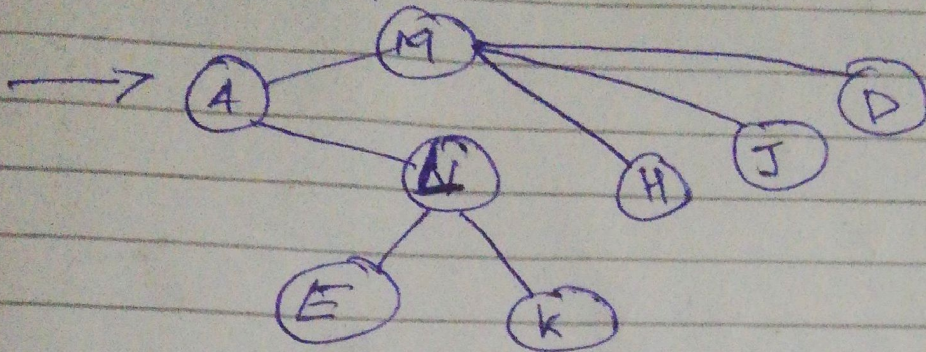
ALMEK

Further there is no any further node on E and K
~~so~~ we comes to M and explore the M.
the adjacent are H, J, D

ALMEKHJD

Question 3

Apply Depth First technique.



→ ~~we~~ In DFS technique firstly we select starting point so we select A. Now exploring the A the adjacent are L and M we select L and start exploring the L the adjacent are E and K, so start exploring E, there is no further node.

A L E K

Now comes to M and start exploring it. the adjacent are H, J, D, there is no further node so

ALEKMHJD