IBM1 & (CS15)
23/9/20

① Batch – 5

Program – 1

i) Insert at beginning.

create new node:-

new–node → value = data.
// insert data

if the first node is to be inserted

new –node → npx = XOR (head, NULL)
                          ↳ null initially.

// if node already existed.

P = XOR the head → npx with NULL.
and update npx of head
  head → npx = XOR (new–node, p).

at the end update new–node as head.

ii) insert at the end.

create new node and insert data

if its the first node that is ~~inserd~~ inserted.

new – node → npx = XOR (head, NULL)
and make it head.

Rutazeet.

else
    run a traverse loop till ~~currdpre~~
    XOR(prev, curr →next) != NULL.

where
      next = XOR (prev, curr →npx)
       prev = curr
      curr = prev

update   new_node → npx = curr.
and
      curr → npx → XOR (prev, new_node).