PRANAV JAGADEESH classmate 16-09 -2020 1BM18CS071 XOR Linked List # include < bets / stdett. h) # include ( inttypes , h) ring nameface etd; class Node E pulelie: int data; Nøde\* npx; Node \* XOR (Node \*a, Node \*b)

{ return (Node \*) ((iintptr\_t)(a) 1 (uintptr\_t)(b));
} upid . Invest (Node \* \* head ref, int data) Nøde \* new-nøde = new Nøde (); new-nøde -) døta = døte; new-nøde -) nbx = \* head ref; if (\* head ref! = NULL) (\* head-ref) -) npx = xOR (new\_node, (\* head-ref)-) npx); \* pead\_ref = new-node; noid printlut (Node \* head) Nøde \* curs = head; Node \* prev = NULL; Node \* next; cont << "Following are the moder of Linked Liet: In"; while ( curr ! = NULL) cout < ( curr - ) data << " "; nent = XOR (prev, war -> npx);

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int main () Node \* head = NULL; insent (Shead; 10)) muet (Shead, 20); meet (& hoad, 30); resert (& head, 40); printfirst (head) return (0);