ALGORITHM

ALGORITHM FOR INSERTING A NODE

1. Input the DATA and POS

2. Initialize TEMP = START; i = 0

3. Repeat the step 4 if (i less than POS) and (TEMP is not equal to NULL)

4. TEMP = TEMP → RPoint; i = i +1

5. If (TEMP not equal to NULL) and (i equal to POS)

(a) Create a New Node

(b) NewNode → DATA = DATA

(c) NewNode → RPoint = TEMP → RPoint

(d) NewNode → LPoint = TEMP

(e) (TEMP → RPoint) → LPoint = NewNode

(f ) TEMP → RPoint = New Node

6. Else

(a) Display “Position NOT found”

7. Exit