

LAB 8

CHIRAG

IBM19CS039

Node sort (Node first) {

Node temp1, temp2, head;

head = first;

int swap;

if (first == NULL)

printf("EMPTY\n");

else {

for (temp1 = first; temp1->next != NULL; temp1 = temp1->next) {

for (temp2 = temp1->next; temp2 != NULL;

temp2 = temp2->next) {

if (temp1->data > temp2->data) {

swap = temp1->data;

temp1->data = temp2->data;

temp2->data = swap;

}

}

}

return head;

Node merging (Node first1, Node first2) {

Node temp = first1;

while (first1->next != NULL) {

first1 = first1->next;

}

```

    first1 → next = first2;
    return temp;
}

```

Node reverse (Node first) {

Node curr, prev, temp;

prev = NULL;

curr = first;

while (curr != NULL) {

temp = curr → next;

curr → next = prev;

prev = curr;

curr = temp;

}

first = prev;

return first;

}

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