Clicker Q on Linked Structrues

What code will insert 51 between 56 and 45?

```
56 → 45 → 34 → 23
head
```
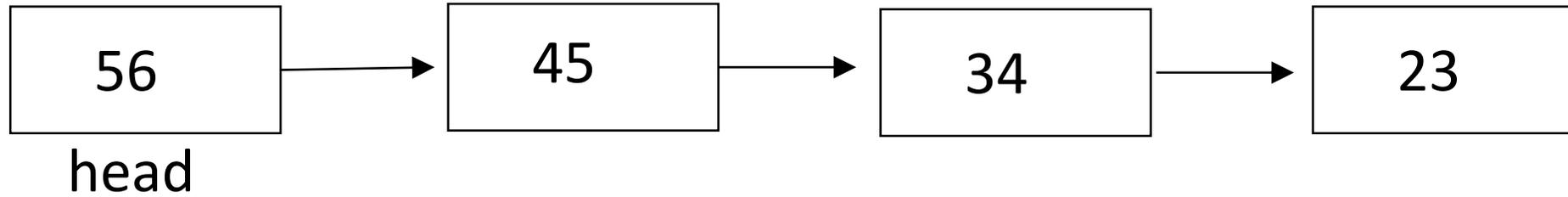
A.

```
Node p = 51;
head.next = p;
p.next = 45;
```

B.

```
Node p = new Node(51);
head.next = p;
p.next = head.next;
```

C.

```
Node p = new Node(51);
p.next = head.next;
head.next = p;
```

D.

```
Node p = new Node(51);
Node q = head.next;
head.next = p;
p.next = q;
```

Answer: C and D are both correct.

Answer A is type-incorrect: on the first line is says Node p = 51;   you
can't set a node equal to an int. Node is a structure like this:
        class Node {
                int data;
                Node next;
                …
        }

Answer B results in this:

56
head

| 45 | → | 34 | → | 23 |

| 51 |
p
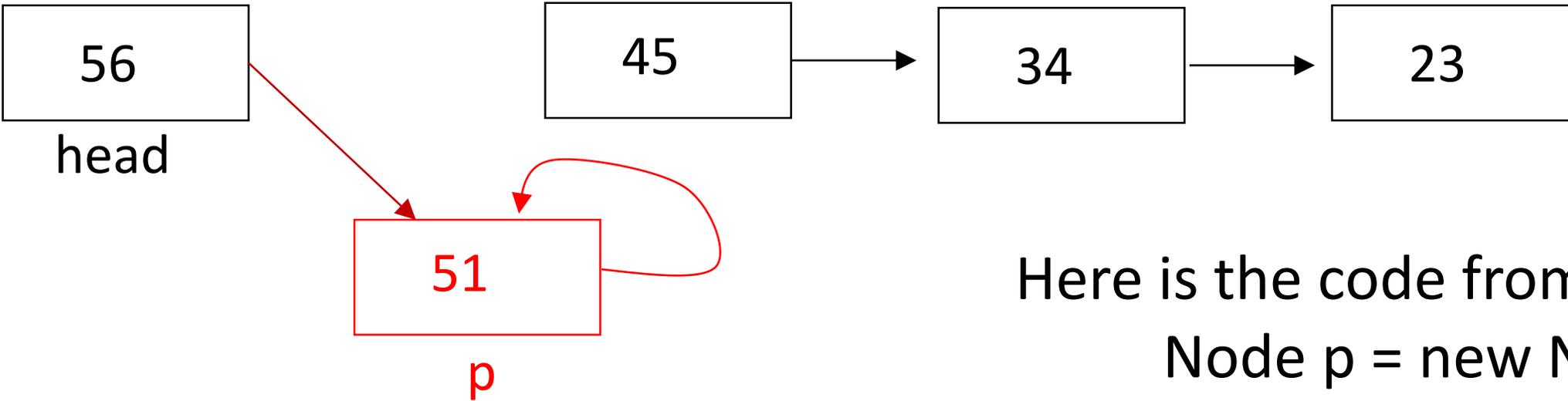
Here is the code from answer B:
Node p = new Node(51);
head.next = p;
p.next = head.next;