1)

```
1     int x;
2     int y;
3     int z;
4     int* w;
5     int* q;
6     x = 0;
7     y = 1;
8     z = 2;
9     w = &x;
10    q = &y;
11    *w = y;
12    *q = z;
13    *w = x + y + z + *q;
14    *q = x + y + z + *w;
15    printf("x=%d, y=%d, z=%d",x,y,z);
```
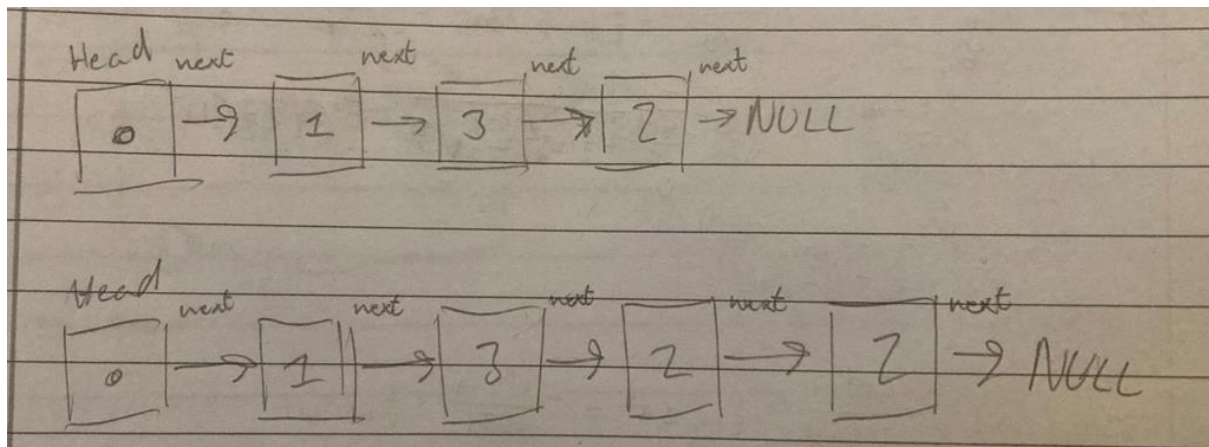
What does the program print when it is executed?

The program prints

X=7 y=18 z=2

3)

a.

c)

p is not updated so it keeps pointing at the first element and prints it out in an infinite loop

d)

To update p input this line into the while loop

```
p = p->next;
```