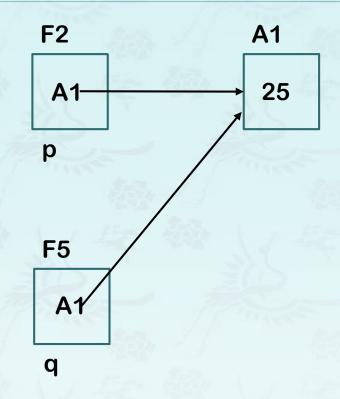
Pointer reviewed – Quiz Time

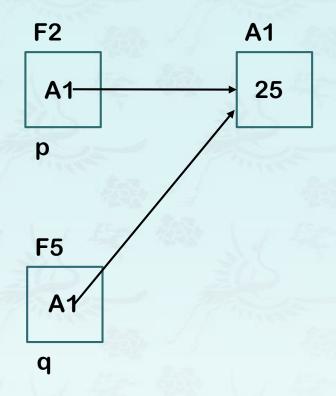
```
int* p = new int(25);
cout << *p << endl;
int* q = p;
cout << *q;
*q = 34;
q = new int(56); // keep this line
p = new int(78); // keep this line
delete p;
delete q;</pre>
```



- 1. Complete the memory diagram based on the code above, until the end of the pink box.
- 2. Then, add one line to fix a bug shown in the completed memory diagram.

Pointer reviewed – Quiz Time

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- 1. Complete the memory diagram based on the code above, until the end of the pink box.
- 2. Then, add one line to fix a bug shown in the completed memory diagram.

Pointers Linked – Quiz

*link

```
who
                                                                                data
                                                                                               who
Link a, b and c nodes;
                                                                                       data
                                                                                *link
                                                                                              data
struct List {
                                                                                       *link
                                                                                               *link
        string who;
        char data;
                                                                                 who
        List *link;
                                                                                       who
};
                                                                                 data
                                                                                               who
                                                                                       data
                                                                                 *link
                                                                                               data
                                                                                       *link
List a, b, c;
                                                                                               *link
List *p, *q, *r;
                                                      (3)
(1) Let each p, q, and r point to a, b, and c;
                                                                                 who
                                                                                       who
(2) Store each 'X', 'Y', and 'Z' in data using p, q, and r.
                                                                                 data
                                                                                               who
                                                                                       data
(3) Connect them using p, q and r as shown below:
                                                                                 *link
                                                                                               data
                                                                                       *link
                                                                                               *link
                                                                                                     nullptr
 a
 who
                                                                   who
                                 data
                                                                   data
 data
```

*link

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nullptr

*link

who