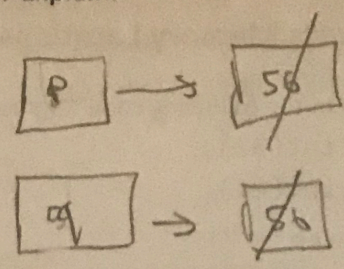
5) What will be the output of the following code fragment? Explain.

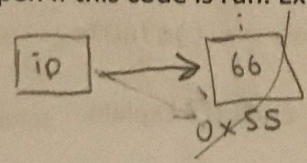
```
int *p = new int(56);
int *q = new int(56);
cout << *p << endl;   = 56
cout << *q << endl;   = 56
delete p;
delete q;
cout << *p << endl;
cout << *q << endl;
```



unknown they both point to something but we know it dont know because memory was freed

6) Something "bad" will happen if this code is run. Explain.

```
int i = 66;
int *ip = &i;
delete ip;
```



ip memory is freed but we connot delete a local variable address like that

7) In the following code fragment, where is `t->i` located? Is it on the stack or heap?

```
class Test {
   public:
   int i;
};

int main() {
   Test* t = new Test();
   cout << t->i;
   delete t;
}
```

heap

located in the heap