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Computer Science 221 Practice Questions - Set 1 Solutions

Question 1

1. `int *p = NUM`

Pointer is set to a constant value
can cause segmentation fault in the next statement

2. `x = *q;`

dereferencing a null pointer

3. `&x = NUM;`

address of a location cannot be changed

Question 2

1. `for (int i = 0; i <= 10; i++)`

should be: `i < 10;`
causes segmentation error

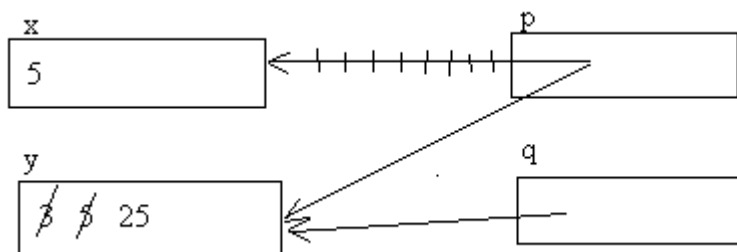
2. `if (0 <= n && n <= 10)`

should be: `n < 10`
can cause segmentation error

3. `return a + n;`

returns an address of a local location (this is a dangling pointer)

Question 3



Question 4

```
int*  A;

A = new int[100];

for (int i=0; i < 100; i++)

    A[i] = 0;
```

Question 5

```
SomeClass::~~SomeClass()

{

    delete [] sa;

    delete [] ia;

}
```

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