Object Lifetime for Instances of Classes

```
Class barn {
public:
```

```
private:
    Cowtc_;
    size_t numStalls_;
};
```

Reminder: Allocation

Reminder: Initialization

```
barn: barn ()
    : c_2 new Cost[4]3,
       num Stalls_ EY3
        For (size_t i=0', i<nvmStalls_) tti) {

(_[i] = new (ow 2"bessie", 33)'
```

Default Constructors

header: barn ();
implentation: member initializers, broder of
barn: barn ();
c. & bessie", 33, num Stalls - 243 - Cow & bessie", 33: Use.

Armstalls_ = 4;

Mothing (else) to do

happened.

Parameterized Constructors

header: bearn (string cow Name, size t conspots, sizet nonstalls), impl: barn::barn(string row Name, size_t cowsports, size_t cowsports) C_EcowName, cowSpots3, numStalls2numStalls3 11 nothing else

Copy Constructors

header: barn (const barner other)

implibarn: barn (const barner other) · C. Zother. C.3 num Stalls - 3 other num Stalls - 3 Mnothing to do

Destruction: HOW (Destructors) ~ barn(); impli barni: ~barn() 3 borriepp for Csize-+ i=o; i <num Stals_, ++i) & a delete c_Ci) delete [] (-)

NEVER call it explicitly!

Assignment Operator