

11.5 INSTANCE VARIABLE INHERITANCE

This example demonstrates how one might inherit instance variables from a superclass for inclusion in the new class. This requires calling the superclass's constructor and adding one's own instance variables to the new object.

```
package Bar;

sub new {
    my $type = shift;
    my $self = {};
    $self->{'buz'} = 42;
    bless $self, $type;
}

package Foo;
@ISA = qw( Bar );

sub new {
    my $type = shift;
    my $self = Bar->new;
    $self->{'biz'} = 11;
    bless $self, $type;
}

package main;

$a = Foo->new;
print "buz = ", $a->{'buz'}, "\n";
print "biz = ", $a->{'biz'}, "\n";
```

11.6 OBJECT RELATIONSHIPS

The following demonstrates how one might implement "containing" and "using" relationships between objects.

```
package Bar;

sub new {
    my $type = shift;
    my $self = {};
    $self->{'buz'} = 42;
    bless $self, $type;
}

package Foo;

sub new {
    my $type = shift;
    my $self = {};
    $self->{'Bar'} = Bar->new;
    $self->{'biz'} = 11;
    bless $self, $type;
}

package main;

$a = Foo->new;
print "buz = ", $a->{'Bar'}->{'buz'}, "\n";
print "biz = ", $a->{'biz'}, "\n";
```