Lab Six

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1 *Dragon*

1. 6.3.1 -

```
{x.type = float; x.width = 8;}

{Env.push(top); top = new Env(); Stack.push(offset); offset = 0;}
{x.type = float; x.width = 8;}
{y.type = float; y.width = 8;}
{p.type = record(top); p.width = offset; top = Env.pop();
    offset = Stack.pop()}

{Env.push(top); top = new Env(); Stack.push(offset);
    offset = 0;}
{tag.type = int; tag.width = 4;}
{x.type = float; x.width = 8;}
{y.type = float; y.width = 8;}
{q.type = record(top); q.width = offset; top = Env.pop();
    offset = Stack.pop()}
```

Float x is a float with a relative address somewhere with width 4.
Record p contains a new float x with a relative address that is set up as inside a new scope with a width of 4 and a float y with the same width in the new scope.
Record q contains a new int with a width of 4 inside a new scope, a new float x, and a new float y with size 8 each inside the same scope.