

Execute in cognitive interpreter, using pen and paper for stdout.

```
var Counter=0;
function Thing(ID) {
  this.Counter=1;
  this.Print = function(Reference) {
    while (Reference.length < 23)
      Reference += " ";
    console.log(Reference + "\tObject " + ID + "\taccess " + this.Counter++ + "\t(" + Counter++ + ")");
  };
}
Value = new Thing(0);
ValueFunc = function() {
  Value.Print("ValueFunc");
};
ValueStart = function() {
  console.log("Value Start\t\t"+Value);
  var Value = new Thing(1);
  var ValueObject = function(ConstParam) {
    var ThisObject = this;
    this.Value = new Thing(2);
    var Value = new Thing(3);

    ConstParam.Print("ConstParam");
    ThisObject.Value.Print("ThisObject.Value Const");

    this.PrintValue = function (PassedValue) {
      ConstParam.Print("ConstParam A");
      PassedValue.Print("Passed A");
      console.log("Value A \t\t"+Value);
      this.Value.Print("this.Value A");
      ThisObject.Value.Print("ThisObject.Value A");

      var ValueFunc = function(PassedValue) {
        ConstParam.Print("ConstParam B");
        PassedValue.Print("Passed B");
        Value.Print("Value B");
        this.Value.Print("this.Value B");
        ThisObject.Value.Print("ThisObject.Value B");
      };

      var Value = new Thing(4);

      setImmediate(function() { // Async callback that runs immediately.
        ConstParam.Print("ConstParam C");
        PassedValue.Print("Passed C");
        Value.Print("Value C");
        console.log("this.Value C\t\t"+this.Value); //undefined
        ThisObject.Value.Print("ThisObject.Value C");
      });

      var Items = {
        A: "Item A",
        B: "Item B",
        C: "Item C",
      };
      for (key in Items)
      {
        var MyItem = Items[key];
        setImmediate(function() { // Create callback that uses item on list.
          console.log("D1 key = " + key + ", value = " + Items[key] + ", MyItem = " + MyItem);
        });
        setImmediate((function(key, MyItem){return function() { // A hack for passing values.
          console.log("D2 key = " + key + ", value = " + Items[key] + ", MyItem = " + MyItem);
        }})(key, MyItem));
      }

      ValueFunc(Value);
    };
    this.PrintValue(Value);
    ValueFunc(Value);
  };
  var Value = new ValueObject(Value);
  Value.Value.Print("End");
}
ValueStart();
console.log("END OF SCRIPT");
```