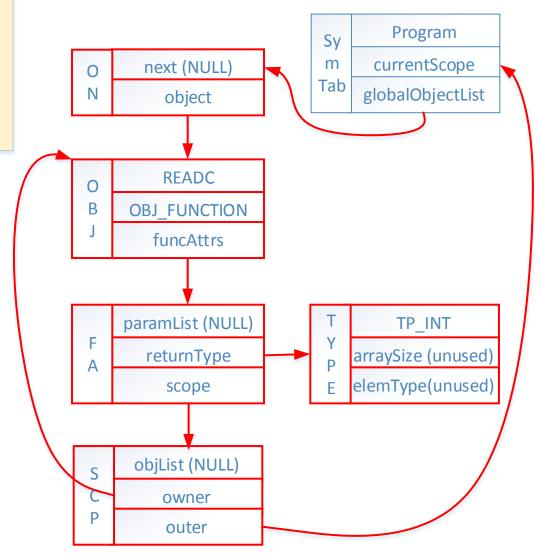
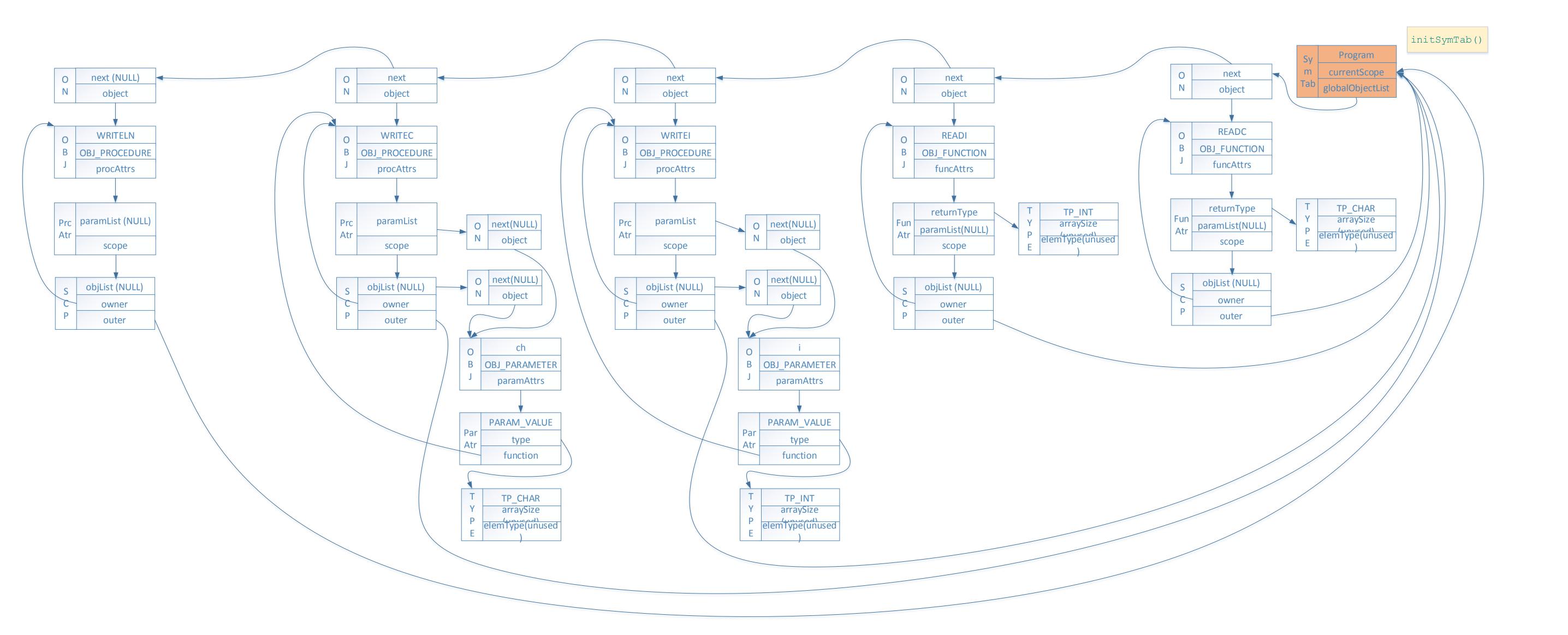
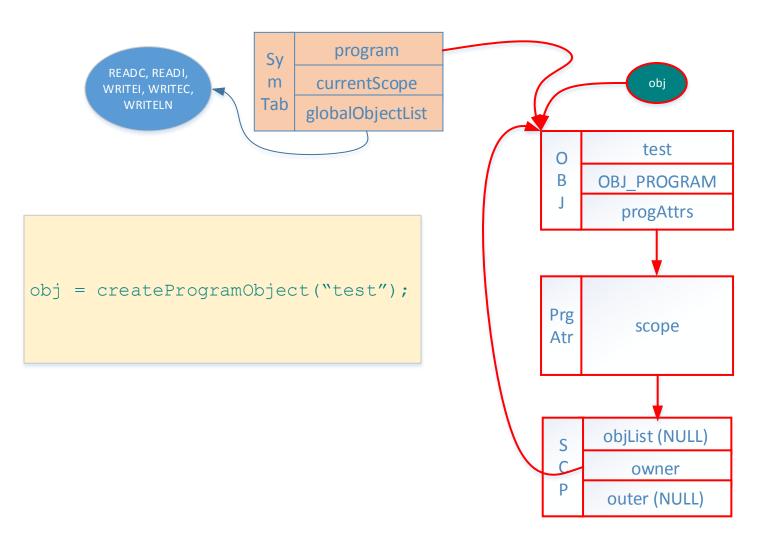
```
initSymTab() {
...
    symtab = (SymTab*) malloc(sizeof(SymTab));
    symtab->globalObjectList = NULL;
...
}
```

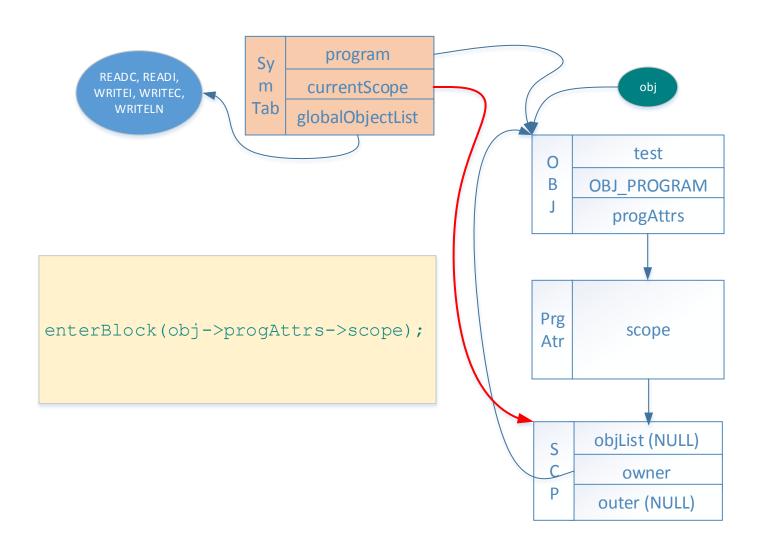
Sy	Program
m	currentScope
Tab	globalObjectList (NULL)

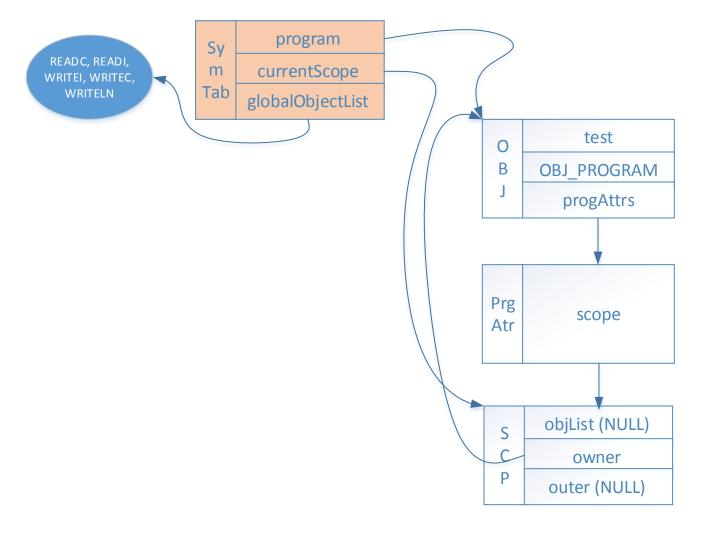
```
initSymTab() {
...
  obj = createFunctionObject("READC");
  obj->funcAttrs->returnType = makeCharType();
  addObject(&(symtab->globalObjectList), obj);
...
}
```



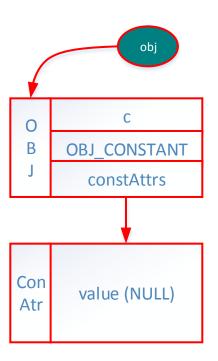


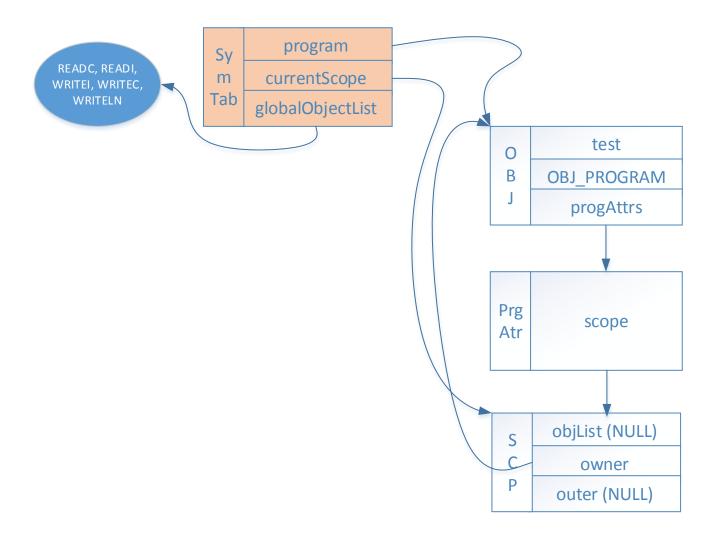




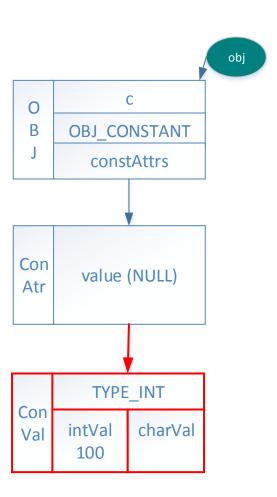


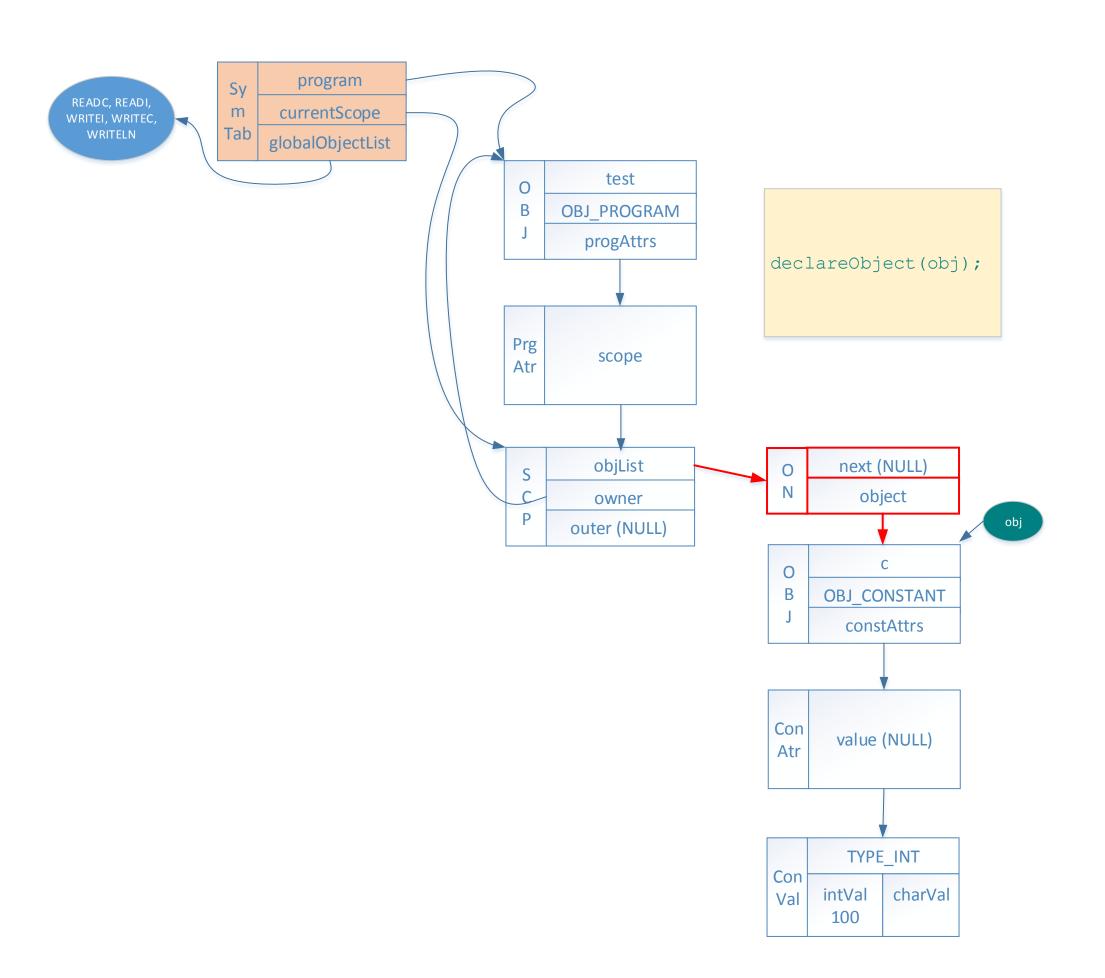


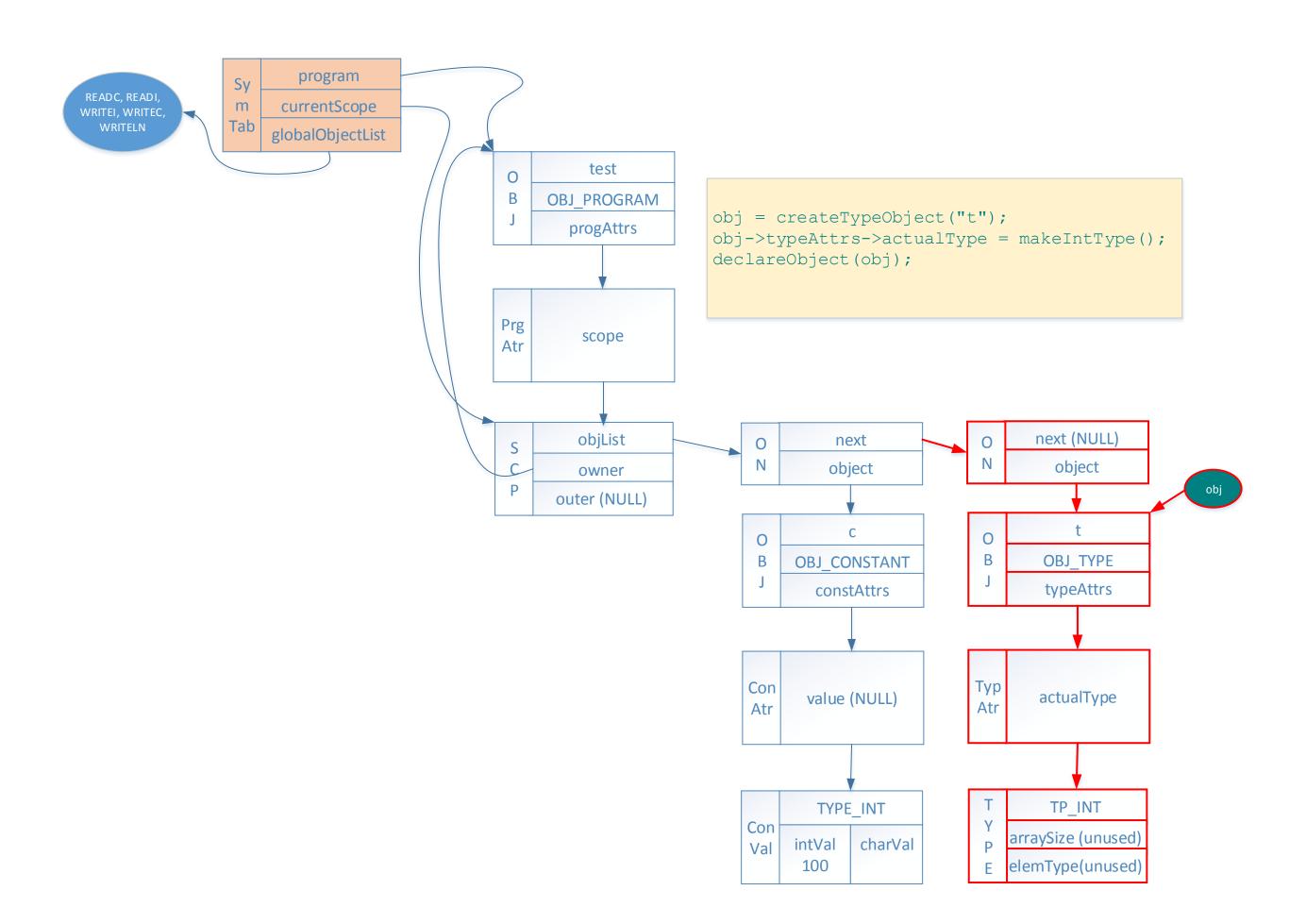


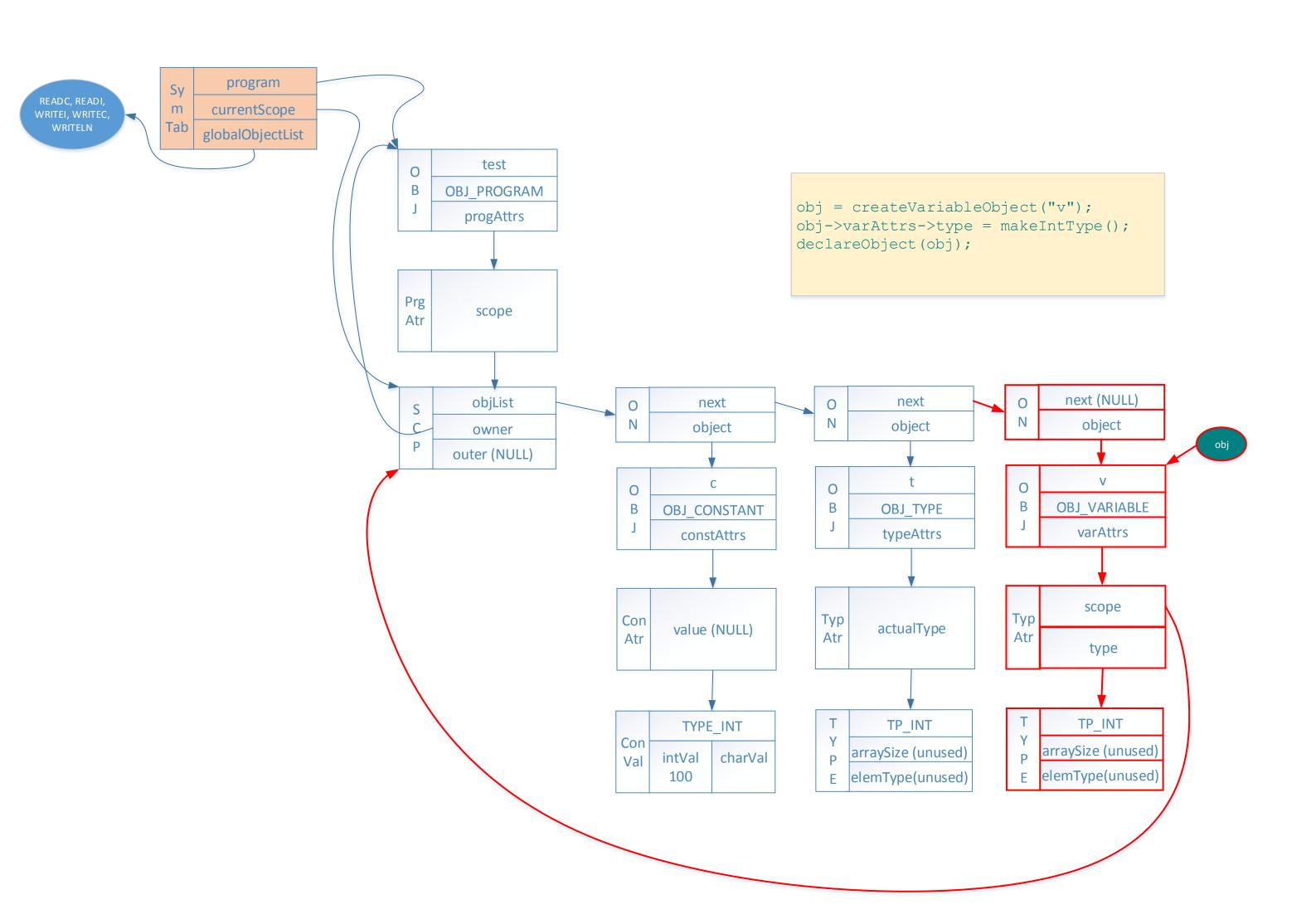


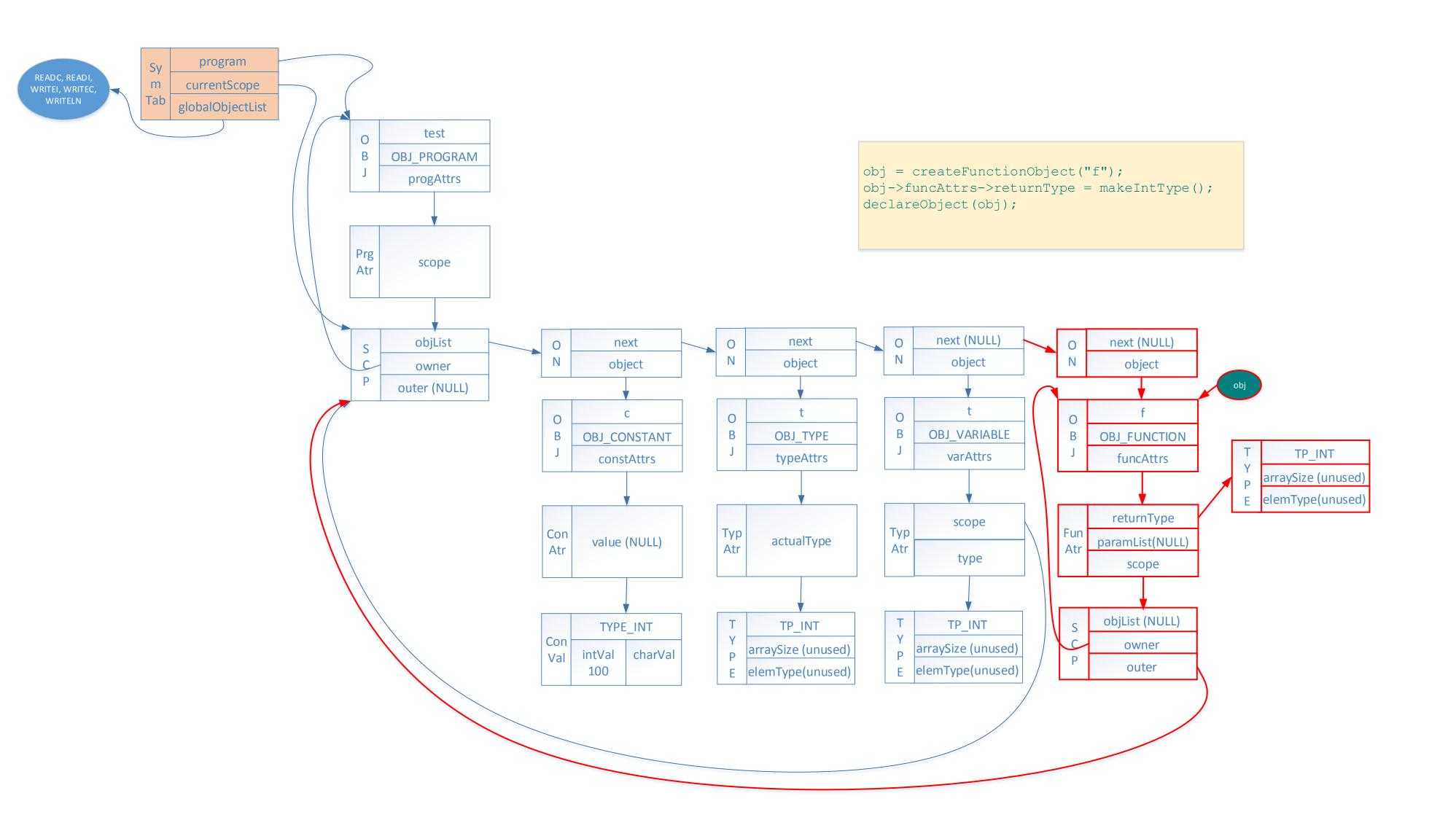
obj->constAttrs->value = makeIntConstant(100);

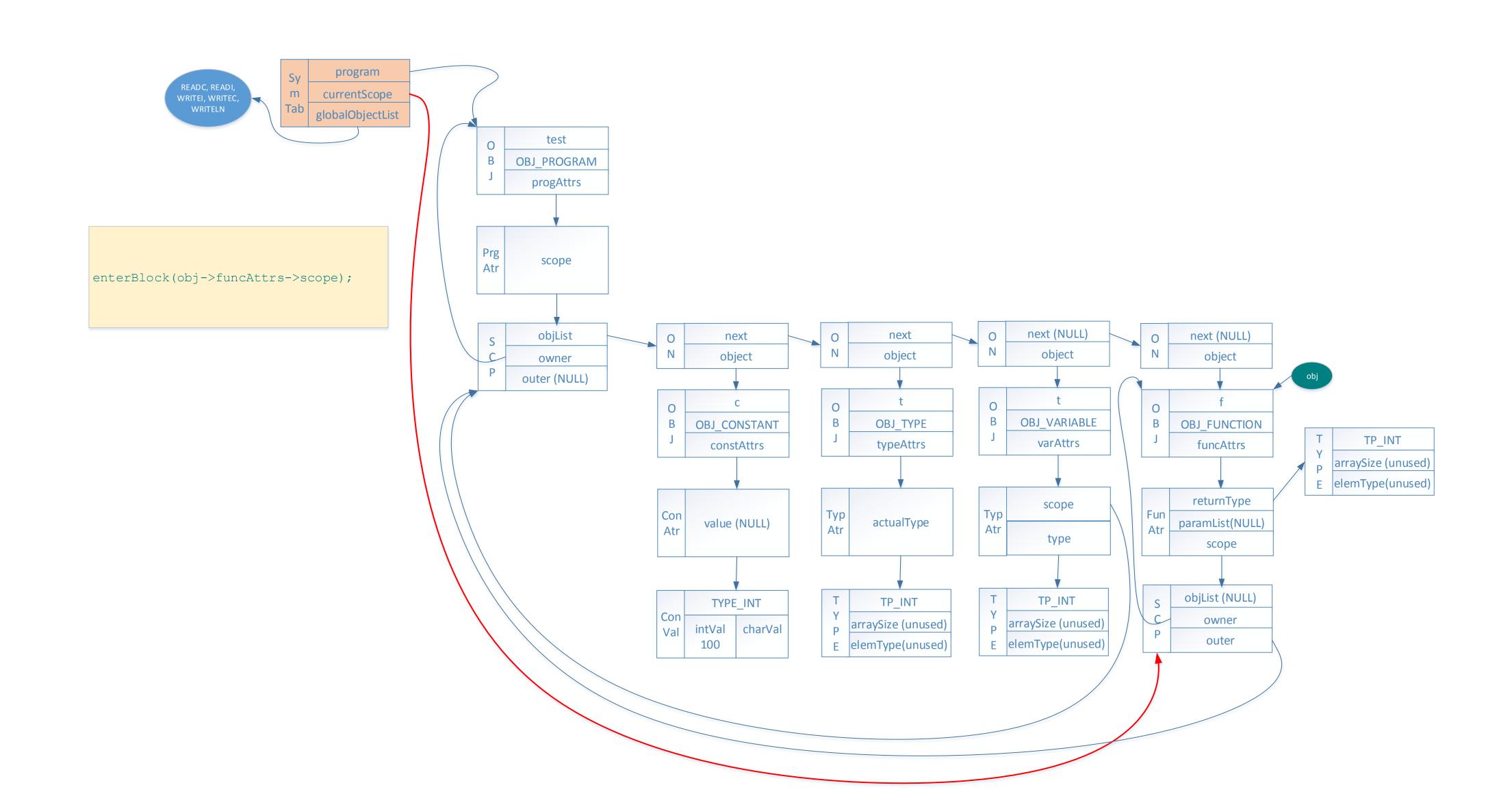


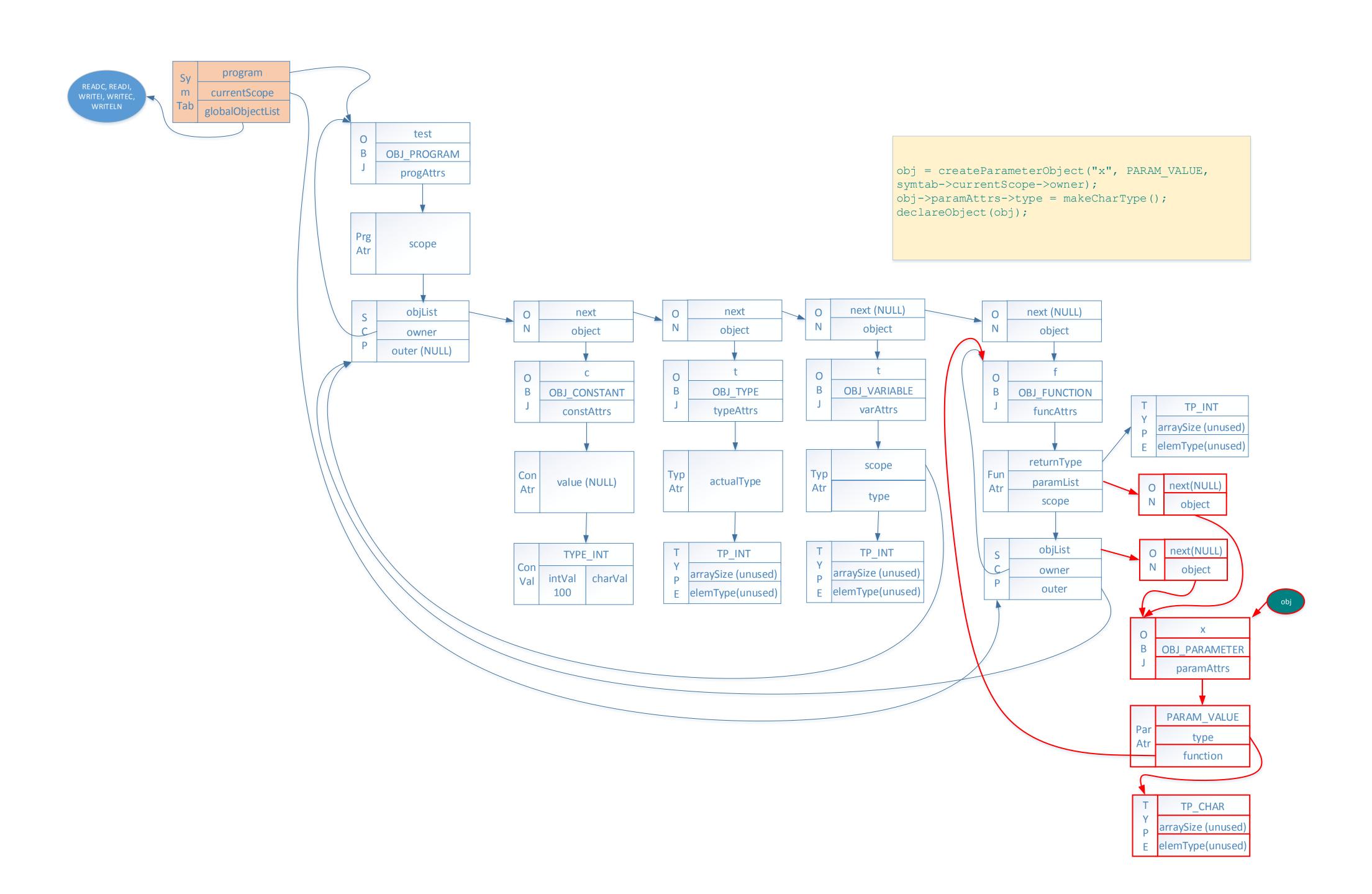


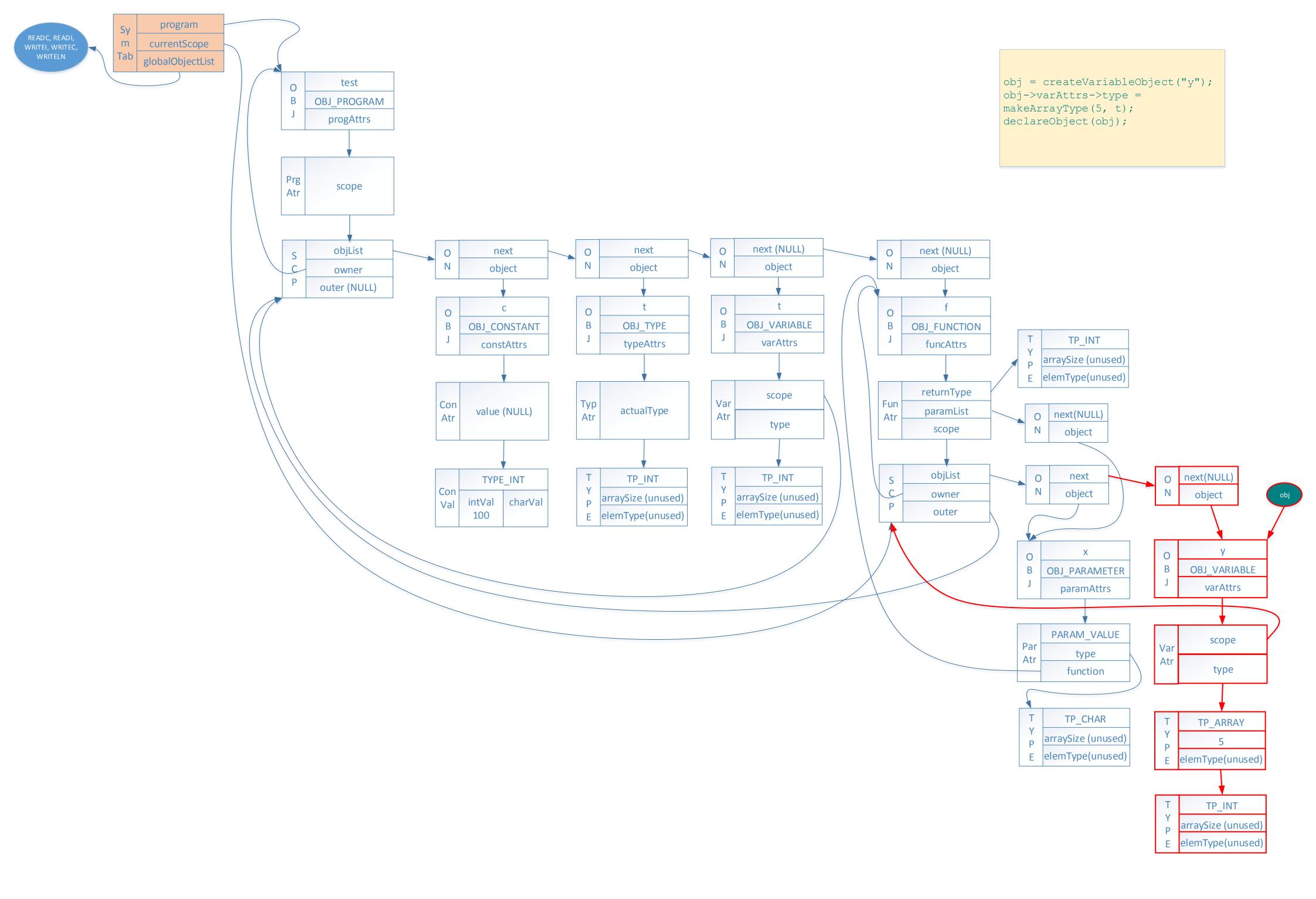


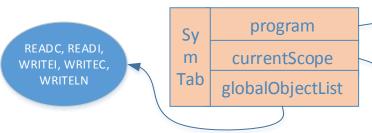












```
int main() {
 Object* obj;
 initSymTab();
 obj = createProgramObject("test");
 enterBlock(obj->progAttrs->scope);
 obj = createConstantObject("c");
 obj->constAttrs->value = makeIntConstant(100);
 declareObject(obj);
 obj = createTypeObject("t");
 obj->typeAttrs->actualType = makeIntType();
 declareObject(obj);
 obj = createVariableObject("v");
 obj->varAttrs->type = makeIntType();
 declareObject(obj);
 obj = createFunctionObject("f");
 obj->funcAttrs->returnType = makeIntType();
 declareObject(obj);
   enterBlock(obj->funcAttrs->scope);
  obj = createParameterObject("x", PARAM_VALUE, symtab->currentScope->owner);
   obj->paramAttrs->type = makeCharType();
  declareObject(obj);
   obj = createVariableObject("y");
   obj->varAttrs->type = makeArrayType(5, t);
  declareObject(obj);
  exitBlock();
 exitBlock();
 printObject(symtab->program,0);
 cleanSymTab();
 return 0;
```

