

27	<i>statement_list</i>	→	<i>statement</i>
28	<i>statement_list</i>	→	<i>statement_list</i> ; <i>statement</i>

Overview:

1. A statement is a list of expressions.
2. A statement list is also a list of expressions which implies that the list of expressions representing a single statement in rule 27 is simply returned to the semantic variable for *statement_list*.
3. In rule 28, the list of expressions representing *statement* is appended to the list of the expressions representing *statement_list*.

27 <i>statement_list</i> → <i>statement</i> <i>List<Exp*> * Statement_list(List<Exp*> * s)</i> 1. Create a new list of expressions for the return value, <i>statement_list</i> called <i>sl</i>. <i>List<Exp*> * sl=new List<Exp*>;</i> 2. Append the list of expressions representing the <i>statement</i>, <i>s</i>, to <i>sl</i>. <i>sl->Append(s);</i> 3. Return a pointer to the <i>statement_list</i>, <i>sl</i>. <i>return sl;</i>

28 <i>statement_list</i> → <i>statement_list</i> ; <i>statement</i> <i>List<Exp*> * Statement_list(List<Exp*> * sl, List<Exp*> * s)</i> 1. Append the list of expressions representing the <i>statement</i>, <i>s</i>, to <i>sl</i>. <i>sl->Append(s);</i> 2. Return a pointer to the <i>statement_list</i>, <i>sl</i>. <i>return sl;</i>
