CFG's	First Set	Follow Set	Selection Set
<dec> → DT ID <init> <list></list></init></dec>	{DT}	{THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, (,!, INC_DEC,;}	First set
<list> → ;</list>	{ ; }	{WHILE, IF, DO, FOR, RETURN, THROW, TRY, SWITCH, BREAK, CONTINUE, THIS, SUPER, ID, PUBLIC, PRIVATE,	First set
<list> → , ID <init> <list></list></init></list>	{,}	STATIC, ABSTRACT, FINAL, DT, ID, ARRAYLIST , } ,; , ELSE}	First set
<init> → = <oe></oe></init>	{ = }	{;,,,}	First set
<init> → E</init>	{ E }		Follow Set
<while>→ WHILE (<oe>) <body></body></oe></while>	{ WHILE}	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<body> → ;</body>	{;}		First Set
<body> → <sst></sst></body>	{WHILE, IF, DO, RETURN, FOR ,TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID}	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<body> → {<mst>}</mst></body>	{{}		First Set

CFG's	First Set	Follow Set	Selection Set
<mst> → E</mst>	{ E }		Follow Set
<mst> → <sst> <mst></mst></sst></mst>	{WHILE, IF, DO, RETURN, FOR, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID}	{;,}}	First Set
<if_else> → IF (<oe>) <body> <oelse></oelse></body></oe></if_else>	{ IF }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<oelse> → ELSE <body></body></oelse>	{ELSE }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<do_while> → DO { <mst> } WHILE (<oe>);</oe></mst></do_while>	{ DO }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<for> → FOR (<c1> <c2> ; <c3>) <body></body></c3></c2></c1></for>	{FOR}	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<c1> → <dec></dec></c1>	{DT}	{THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, { , ! , INC_DEC, ; }	First Set
<c1> → <asgn_st>;</asgn_st></c1>	{THIS, SUPER, ID}		First Set

CFG's	First Set	Follow Set	Selection Set		
<c1> → ;</c1>	{;}	{THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, (,!, INC_DEC,;}	First Set		
<c2> → E</c2>	{ E }		Follow Set		
<c2> → <oe></oe></c2>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST,(,!,	{;}	First Set		
<c3> → <inc_dec_st>;</inc_dec_st></c3>	{INC_DEC, THIS, SUPER, ID}	{)}	First Set		
<c3> → ;</c3>	{;}		First Set		
<asgn_st> → <th> ID <x> <asgn_op> <oe></oe></asgn_op></x></th></asgn_st>	ID <x> <asgn_op> <oe></oe></asgn_op></x>	{THIS, SUPER, ID}	{;}	First Set	
<th>→ THIS.</th>	→ THIS.	{THIS}		First Set	
<th>→ SUPER.</th>	→ SUPER.	{SUPER}	<th> → {ID}</th>	→ {ID}	First Set
<th> → E</th>	→ E	{ E }		Follow Set	

CFG's	First Set	Follow Set	Selection Set	
<asgn_op> → =</asgn_op>	{ = }	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST,	First Set	
<asgn_op> → COMP_ASGN</asgn_op>	{ COMP_ASGN }	CHAR_CONST, BOOL_CONST,(,!, INC_DEC}	First Set	
<inc_dec_st> → INC_DEC <th> ID <x></x></th></inc_dec_st>	ID <x></x>	{INC_DEC}		First Set
<inc_dec_st> → <th> ID <x> INC_DEC</x></th></inc_dec_st>	ID <x> INC_DEC</x>	{THIS, SUPER, ID}	{;}	First Set
<x> → (<pl>) <x1></x1></pl></x>	{(}	{ MPM, PM, RO, AO, OR,,,),},], =, COMP_ASGN,;,INC_DEC }	First Set	
<x> → .<x3></x3></x>	{.}		First Set	
<x> → [<oe>] <x2></x2></oe></x>	{[}		First Set	
<x> → E</x>	{ E }		Follow Set	
<x1> → . <x3></x3></x1>	{.}	{ MPM,PM,RO,AO, OR,,,),},],=, COMP_ASGN,;,INC_DEC }	First Set	
<x1> → [<oe>] <x2></x2></oe></x1>	{]}		First Set	

CFG's	First Set	Follow Set	Selection Set
<x1> → ID <x></x></x1>	{ ID }	{ MPM,PM,RO,AO, OR,,,),},],=, COMP_ASGN,;,INC_DEC }	First Set
<x2> → . <x3></x3></x2>	{.}		First Set
<x2> → [<oe>] <x2></x2></oe></x2>	{[}	{ MPM, PM, RO, AO, OR,,,),},], =, COMP_ASGN,;,INC_DEC }	First Set
<x2> → E</x2>	{ E }		Follow Set
<x3> → ID<x></x></x3>	{ ID }	{ MPM, PM, RO, AO, OR,,,),},],=,	First Set
<x3> → GET(<0E>) <x2></x2></x3>	{ GET }	COMP_ASGN,;,INC_DEC }	First Set
<pl> → <oe> <pl2></pl2></oe></pl>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST,(,!,	{),}}	First Set
<pl> → E</pl>	{ E }		Follow Set
<pl2> → E</pl2>	{ E }	{},}}	Follow Set
<pl2> → , <oe> <pl2></pl2></oe></pl2>	{,}		First Set

CFG's	First Set	Follow Set	Selection Set
<oe>→ <ae> <oe'></oe'></ae></oe>	FIRST(<oe>) = {THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST, (, !, INC_DEC }</oe>	{,,],;,),}}	First Set
<oe'>→ OR <ae> <oe'></oe'></ae></oe'>	{ OR }	{),},],;}	First Set
<oe′>→ E</oe′>	{ E }		Follow Set
<ae> → <re> <ae'></ae'></re></ae>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST, (,!,	{OR,,,),},],;}	First Set
<ae'>→ AO <re> <ae'></ae'></re></ae'>	{ AO }	{OR,,,),},],;}	First Set
<ae′>→ E</ae′>	{ E }		Follow Set
<re> → <e> <re'></re'></e></re>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST, (,!,	{AO,OR,,,),},],;}	First Set
<re'>→ RO <e> <re'></re'></e></re'>	{ RO }	{AO,OR,,,),},],;}	First Set
<re'>→ E</re'>	{ E }		Follow Set
<e>→ <t> <e'></e'></t></e>	{ THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST,(,!, INC_DEC }	{RO,AO,OR,,,),},],; }	First Set

CFG's	First Set	Follow Set	Selection Set	
<e'>→ PM <t> <e'></e'></t></e'>	{ PM }	{RO,AO,OR,,,),},],;	First Set	
<e'>→ E</e'>	{ E }	ſ	Follow Set	
<t> → <f> <t'></t'></f></t>	{ THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST, (,!,	{ PM , RO , AO , OR , , ,) , } ,] , ; }	First Set	
<t'> → MDM <f><t'></t'></f></t'>	{ MDM }	{ PM , RO , AO , OR , , ,) , } ,] , ; }	First Set	
<t'> → E</t'>	{ E }		Follow Set	
<f> → <th> ID <f1></f1></th></f>	ID <f1></f1>	{ THIS, SUPER, ID}		First Set
<f> → <const></const></f>	{ INT_CONST, STR_CONST, DOUB_CONST, BOOL_CONST_CONST, CHAR_CONST_CONST}	{MPM,PM,RO,AO,OR ,,,),},],;}	First Set	
<f> → (<oe>)</oe></f>	{(}		First Set	
<f> → !<f></f></f>	{!}		First Set	
<f> → INC_DEC <th> ID <x></x></th></f>	ID <x></x>	{ INC_DEC }		First Set

CFG's	First Set	Follow Set	Selection Set
<f1> → . <f1′></f1′></f1>	{.}		First Set
<f1> → [<oe>] <z1></z1></oe></f1>	{[]}		First Set
<f1> → INC_DEC</f1>	{ INC_DEC}	{ MPM , PM , RO , AO , OR ,,,),},],;}	First Set
<f1> → (<pl>)<f2></f2></pl></f1>	{(}		First Set
<f1> → E</f1>	{ E }		Follow Set
<f1'> → GET (<oe>) <z1></z1></oe></f1'>	{ GET }	{ MPM , PM , RO , AO , OR	First Set
<f1'> → ID < F1 ></f1'>	{ ID }	,,,),},],;}	First Set
<f2> → E</f2>	{ E }	{ MPM , PM , RO , AO , OR , , , ,) , } ,] , ; }	Follow Set
<f2> → <z></z></f2>	{.,[}		First Set

CFG's	First Set	Follow Set	Selection Set	
<z> → . <f1'></f1'></z>	{.}	FIRST(<z>) = { . , [}</z>	First Set	
<z> → [<oe>] <z1></z1></oe></z>	{[}		First Set	
<const> → INT_CONST</const>	{ INT_CONST }		First Set	
<const> → STR_CONST</const>	{ STR_CONST }		First Set	
<const> → DOUB_CONST</const>	{ DOUB_CONST }	<const> → {:,MPM, PM,RO,AO,OR,,,),},],;}</const>	First Set	
<const> → BOOL_CONST_CONST</const>	{ BOOL_CONST_CONST }		First Set	
<const> → CHAR_CONST_CONST</const>	{ CHAR_CONST_CONST}		First Set	
<func_call> → <th> ID <y></y></th></func_call>	ID <y></y>	{ THIS, SUPER, ID}	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<y> > <y'> (</y'></y>	{.,[,(}		First Set	
<pl>) < Y1 ></pl>			First Set	

CFG's	First Set	Follow Set	Selection Set
<array> → [<oe>] <array></array></oe></array>	{[}	{ . , INC_DEC, = ,	First Set
<array> → E</array>	{ E }	COMP_ASGN, (}	Follow Set
<y1> → . <y5></y5></y1>	{ . }		First Set
<y1> → . [<oe>] <array> <y2></y2></array></oe></y1>	{[}		First Set
<y1> → E</y1>	{ E }		First Set
<y2> → E</y2>	{ E}		First Set
<y2> → . ID <y3></y3></y2>	{.}		First Set
<y3> → E</y3>	{ E }		First Set
<y3> → (<pl>) <</pl></y3>	{(}		First Set

CFG's	First Set	Follow Set	Selection Set
<y4> → ID <y`></y`></y4>	{ ID }		First Set
<y4> → GET (<oe>) .ID</oe></y4>	{ GET }		First Set
<y5> → GET (<oe>) <y2></y2></oe></y5>	{ GET }		First Set
<y5> → ID <y3></y3></y5>	{ ID }		First Set
<abs_final>→ ABSTRACT</abs_final>	{ ABSTRACT }		First Set
<abs_final>→ FINAL</abs_final>	{ FINAL }	{ CLASS, DT, ID, ARRAYLIST }	First Set
<abs_final>→ E</abs_final>	{ E }		Follow Set
<final> → FINAL</final>	{ FINAL }	{ DT }	First Set
<final> → E</final>	{ E }		Follow Set

CFG's	First Set	Follow Set	Selection Set
<s> → <defs> PUBLIC CLASS ID <inht> <throws> { PUBLIC STATIC VOID MAIN() { <mst> } <c_body> } <defs></defs></c_body></mst></throws></inht></defs></s>	{ABSTRACT, FINAL, CLASS, PUBLIC}	<s> → {\$}</s>	First Set
<defs>→ E</defs>	{ E }	{PUBLIC}	Follow Set
<defs>-> <class_defs> <defs></defs></class_defs></defs>	{ABSTRACT, FINAL, CLASS}	(· 5 · 5)	First Set
<class_defs>→ <abs_final> CLASS ID <inht> <throws> {<c_body>}</c_body></throws></inht></abs_final></class_defs>	ABSTRACT, FINAL, CLASS}	{ ABSTRACT , FINAL , CLASS , PUBLIC , \$ }	First Set
<acss_modf> → PUBLIC</acss_modf>	{ PUBLIC }		First Set
<acss_modf> → PRIVATE</acss_modf>	{ PRIVATE }	{ STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST }	First Set
<acss_modf> → E</acss_modf>	{E}		Follow Set
<static>→ E</static>	{ E }	{ ABSTRACT , FINAL , DT , ID , ARRAYLIST }	Follow Set
<static>→ STATIC</static>	{ STATIC }		First Set

CFG's	First Set	Follow Set	Selection Set
<iinht> → EXTENDS ID</iinht>	{ EXTENDS }	{ THROW, { }	First Set
<iinht> → E</iinht>	{ E }		Follow Set
<c_body> <access_modifier> <static> <abs_final> <c_body_2> <c_body></c_body></c_body_2></abs_final></static></access_modifier></c_body>	{ PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL , DT, ID, ARRAYLIST }	{}}	First Set
<c_body> → E</c_body>	{ E }		Follow Set
<c_body_2> → ID <c_body_7></c_body_7></c_body_2>	{ ID }	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST , } }	First Set
<c_body_2> → DT <c_body_3></c_body_3></c_body_2>	{ DT }		First Set
<c_body_2> → ARRAY_LIST <<a1>> ID <c_body_5></c_body_5></a1></c_body_2>	{ ARRRAYLIST }		First Set
<c_body_7> → .ADD (<cl1>);</cl1></c_body_7>	{.}	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST , } }	First Set
<c_body_7> → ID <c_body_4></c_body_4></c_body_7>	{ ID }		First Set

CFG's	First Set	Follow Set	Selection Set
<c_body_3> → ID <c_body_6></c_body_6></c_body_3>	{ ID }	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT ,	First Set
<c_body_3> → [] <arr_dec'> ID (<args>) <throws> { <mst> }</mst></throws></args></arr_dec'></c_body_3>	{[]}	FINAL, DT, ID, ARRAYLIST	First Set
<c_body_6> → [] <arr_dec'> <val>;</val></arr_dec'></c_body_6>	{[}		First Set
<c_body_6> → (<args>) <throws> { <mst> }</mst></throws></args></c_body_6>	{ = }	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST , } }	First Set
<c_body_6> → <init> <list></list></init></c_body_6>	{= , ; , , }		First Set
<c_body_4> → = NEW ID (<pl>);</pl></c_body_4>	{ = }	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST , } }	First Set
<c_body_4> → (<args>) <throws> {<mst>}</mst></throws></args></c_body_4>	{(}		First Set
<c_body_5> → = NEW ARRAY_LIST <<a1>> ();</a1></c_body_5>	{ = }	{ ID , PUBLIC , PRIVATE , STATIC , ABSTRACT , FINAL , DT , ID , ARRAYLIST , } }	First Set
<c_body_5> → (<args>)<throws>{ <mst>}</mst></throws></args></c_body_5>	{(}		First Set

CFG's	First Set	Follow Set	Selection Set
<constructor>→ <acss_modf> ID (<args>) { <mst> }</mst></args></acss_modf></constructor>	{PUBLIC, PRIVATE, ID}	{ ID, PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL, DT, ID, ARRAYLIST, } }	First Set
<args> → E</args>	{ E }		Follow Set
<args> → DT <args2></args2></args>	{ DT }	{)}	First Set
<args> → ID ID</args>	{ ID }		First Set
<args2>→ ID <args1></args1></args2>	{ ID}	{)}	First Set
<args2>→ [] <arr_dec'> ID <args1></args1></arr_dec'></args2>	{[]}		First Set
<args1>→ , <args3></args3></args1>	{,}	{)}	First Set
<args1>→ E</args1>	{ E }		Follow Set
<args3>→ ID <args4></args4></args3>	{ ID }	{)}	First Set
<args3>→ [] <arr_dec'> ID <args1></args1></arr_dec'></args3>	{]}		First Set

CFG's	First Set	Follow Set	Selection Set
<args4>→ <args1></args1></args4>	{,,E}		{,,,)}
<args4>→ ID <args1></args1></args4>	{ ID }	{)}	First Set
<dec1>→ <acss_modf> <static> <final> DT ID <init> <list></list></init></final></static></acss_modf></dec1>	{PRIVATE, PUBLIC, STATIC, FINAL, DT}	{ PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL , DT, ID, ARRAYLIST, } }	First Set
<pre><func_def> →</func_def></pre>	{PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL, DT, ARRAYLIST, ID}	{ PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL , DT, ID, ARRAYLIST, } }	First Set
<obj_dec> ID ID NEW ID (<pl>);</pl></obj_dec>	{ ID }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<obj_dec_1>→ <acss-modf> <static> <final> ID ID = NEW ID (<pl>);</pl></final></static></acss-modf></obj_dec_1>	{PUBLIC, PRIVATE, STATIC, FINAL,ID}	{ ID, PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL, DT, ID, ARRAYLIST, } }	First Set
<data_type> → DT</data_type>	{DT}		First Set

CFG's	First Set	Follow Set	Selection Set
<return_type>→ DT <rt'></rt'></return_type>	{ DT }		First Set
<return_type>→ ARRAYLIST <<a1>></a1></return_type>	{ ARRAYLIST }	{ ID }	First Set
<return_type>→ ID</return_type>	{ ID }		First Set
<rt'> → E</rt'>	{ E }	{ ID }	Follow Set
<rt'> → [] <array_dec'></array_dec'></rt'>	{[}		First Set
<arr_dec> → <final> DT ID [] <arr_dec'> <val> ;</val></arr_dec'></final></arr_dec>	{FINAL, DT}		First Set
<arr_dec'> → [] <arr_dec'></arr_dec'></arr_dec'>	{]}	{ = , ID , >}	First Set
<arr_dec'> → E</arr_dec'>	{ E }		Follow Set
<val> → = <ad></ad></val>	{ = }	{;}	First Set

CFG's	First Set	Follow Set	Selection Set
<ad> → NEW DT [<oe>] <ad1></ad1></oe></ad>	{ NEW }	{;}	First Set
<ad> → { <ad2> } <ad3></ad3></ad2></ad>	{}}		First Set
<ad1> → [<oe>] <ad1></ad1></oe></ad1>	{[}	(.)	First Set
<ad1> → E</ad1>	{ E }	{;}	Follow Set
<ad2> → E</ad2>	{ E }	{}}	Follow Set
<ad2> → <pl></pl></ad2>	{THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, (, ! , INC_DEC, E}		{THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, (,!, INC_DEC, } }
<ad2> → { <pl> } <ad3></ad3></pl></ad2>	{{}		First Set
<ad3> → , <ad4></ad4></ad3>	{,}	{;,}}	First Set
<ad3> → E</ad3>	{ E }		Follow Set

CFG's	First Set	Follow Set	Selection Set
<ad4> → { <pl> } <ad3></ad3></pl></ad4>	{{}		First Set
<ad4> → <pl> <ad3></ad3></pl></ad4>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST,(,!, INC_DEC,,,E}	{}}	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST ,(,!,INC_DEC,,,}}
<pre><arr_dec_1> →</arr_dec_1></pre>	{PRIVATE, PUBLIC, STATIC, FINAL, DT}		First Set
<try_catch> → TRY { <mst> } CATCH (ID ID) { <mst> }</mst></mst></try_catch>	{TRY}	{ WHILE, IF, DO, FOR , RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<throw> → THROW NEW ID (<pl>)</pl></throw>	{ THROW }	{ WHILE, IF, DO, FOR ,RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<throws> → THROWS ID</throws>	{ THROWS }		First Set
<throws> → E</throws>	{ E }	{{}	Follow Set
<switch_st>→ SWITCH (<oe>) { <case> }</case></oe></switch_st>	{ SWITCH }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set

CFG's	First Set	Follow Set	Selection Set
<case> → CASE <const> : <mst> ; <case> DEFAULT : <mst></mst></case></mst></const></case>	{CASE }	<case> → {}}</case>	First Set
<case> → DEFAULT : <mst></mst></case>	{ DEFAULT}		First Set
<return> → RETURN <return'></return'></return>	{RETURN}	{ WHILE, IF, DO, FOR ,RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<return'> → ;</return'>	FIRST(<return'>) = { ; , THIS, SUPER, ID, INT, DOUB_CONST, STR_CONST, BOOL_CONST, CHAR_CONST, (, ! , INC_DEC}</return'>	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<return'>→ <oe> ;</oe></return'>	{THIS, SUPER, ID, INT, STR_CONST, DOUB_CONST, CHAR_CONST, BOOL_CONST, (,!,		First Set
<break> → BREAK ;</break>	{ CONTINUE }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<continue>→ CONTINUE ;</continue>	{ BREAK }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set

<array_list> → ARRAY_LIST <<a1>> ID = NEW ARRAYLIST <<a1>> ();</a1></a1></array_list>	{ ARRAYLIST }	{ WHILE, IF, DO, FOR, RETURN, TRY, THROW, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
CFG's	First Set	Follow Set	Selection Set
<a1> → DT <a2></a2></a1>	{ DT }		First Set
<a1> → ID</a1>	{ ID }	{>}	First Set
<a1> → ARRAYLIST <<a1>></a1></a1>	{ ARRAYLIST}		First Set
<a2> → E</a2>	{ E }	{>}	Follow Set
<a2> → [] <array_dec'></array_dec'></a2>	{[}	(~)	First Set
<array_list1>→ <acss_modf> <abs_final> ARRAYLIST <<a1>> ID = NEW ARRAYLIST <<a1>> ();</a1></a1></abs_final></acss_modf></array_list1>	{PUBLIC, PRIVATE, ABSTRACT, FINAL, ARRAYLIST }	{ PUBLIC, PRIVATE, STATIC, ABSTRACT, FINAL , DT, ID, ARRAYLIST , } }	First Set
<create_list> → ID . ADD (<cl1>)</cl1></create_list>	{ ID }	{;}	First Set
<cl1> → <oe></oe></cl1>	{THIS, SUPER, ID, INT, DOUB_CONST, CHAR_CONST, STR_CONST, BOOL_CONST, (,! , INC_DEC}	{)}	First Set
<cl1> → NEW ID (<pl>)</pl></cl1>	{NEW}		First Set
<get_list> → ID . GET (<oe>)</oe></get_list>	{ ID }		First Set

CFG's	First Set	Follow Set	Selection Set
<sst> → <while></while></sst>	{ WHILE }		First Set
<sst> → <for></for></sst>	{ FOR }		First Set
<sst> → <if_else></if_else></sst>	{ IF }		First Set
<sst> → <do_while></do_while></sst>	{ DO }	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst> → <return></return></sst>	{ RETURN }		First Set
<sst> →<try_catch></try_catch></sst>	{TRY}		First Set
<sst> → <throw></throw></sst>	{ THROW }		First Set
<sst> → <switch_st></switch_st></sst>	{ SWITCH }		First Set
<sst> → <break></break></sst>	{ BREAK }		First Set
<sst> →<continue< td=""><td>{ CONTINUE }</td><td></td><td>First Set</td></continue<></sst>	{ CONTINUE }		First Set

CFG's	First Set	Follow Set	Selection Set	
<sst> → <array_list></array_list></sst>	{ ARRAYLIST }	{ WHILE , IF , DO ,	First Set	
<sst> → <final> DT ID <sst1></sst1></final></sst>	{ FINAL, DT }	RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER,	First Set	
<sst> → <th>ID <sst2></sst2></th></sst>	ID <sst2></sst2>	{ THIS, SUPER, ID }	ID , ELSE , ; , }}	First Set
<sst1> → [] <array_dec'> <val>;</val></array_dec'></sst1>	{[}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set	
<sst1> → <init> <list></list></init></sst1>	{=,;,,}		First Set	
<sst2> → INC_DEC;</sst2>	{ INC_DEC }		First Set	
<sst2> →. <sst7></sst7></sst2>	{.}	{ WHILE IS DO	First Set	
<pre><sst2> → ID = NEW ID (<pl>);</pl></sst2></pre>	{ ID }	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}}	First Set	
<sst2> → <asgn_op> <oe>;</oe></asgn_op></sst2>	{ = , COMP_ASGN }		First Set	
<sst2> → <sst3></sst3></sst2>	{[,]}		First Set	

CFG's	First Set	Follow Set	Selection Set
<sst3> → [<oe>] <array> <sst6></sst6></array></oe></sst3>	{[]}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK,	First Set
<sst3> → (<pl>) <sst4></sst4></pl></sst3>	{(}	CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst7> → ADD (<cl1>);</cl1></sst7>	{ ADD}	{ WHILE , IF , DO , RETURN , TRY , THROW , FOR , SWITCH , BREAK ,	First Set
<sst7> → <sst3'></sst3'></sst7>	{ID, GET}	CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}}	First Set
<sst3'> → ID <sst5></sst5></sst3'>	{ ID }	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK,	First Set
<sst3'> → GET (<oe>) <sst6></sst6></oe></sst3'>	{ GET }	CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst4> → ;</sst4>	{;}	\{ WHILE IE DO	First Set
<sst4> → . <sst3'></sst3'></sst4>	{.}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER,	First Set
<sst4> → [<oe>] <array> <sst6></sst6></array></oe></sst4>	{[]}	ID , ELSE , ; , }}	First Set

CFG's	First Set	Follow Set	Selection Set
<sst5> → . <sst3'></sst3'></sst5>	{.}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst5> → [<oe>] <array> <sst6></sst6></array></oe></sst5>	{[}		First Set
<sst5> → <sst8></sst8></sst5>	{ INC_DEC, = , COMP_ASGN, (}		First Set
<sst6> → . ID <sst5></sst5></sst6>	{.}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst6> →<sst8></sst8></sst6>	{ INC_DEC, = , COMP_ASGN, (}		First Set
<sst8> → INC_DEC;</sst8>	{INC_DEC}	{ WHILE, IF, DO, RETURN, TRY, THROW, FOR, SWITCH, BREAK, CONTINUE, ARRAYLIST, FINAL, DT, THIS, SUPER, ID, ELSE,;,}	First Set
<sst8> → <asgn_op> <oe>;</oe></asgn_op></sst8>	{=, COMP_ASGN}		First Set
<sst8> → (<pl>) <sst4></sst4></pl></sst8>	{(}		First Set