No. of non-terminals = 45					
No. of productions = 88					
·					
Comments	RULE	Productions	FIRST	FOLLOW	
	1.0-1				
<h> is used to eliminate the</h>					
ambiguity as both <data decls=""> and <func list=""> start</func></data>	<goal></goal>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	{int, void, binary, decimal,empty}	{\$}	
with " <type name=""> ID" and</type>					
both have an ebsilon present in the rules as well.					
It works in a way like <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<type name=""> ID <h> empty</h></type>	{int, void, binary, decimal,empty}	{\$}	
decls> <func list=""> <data< td=""><td></td><td></td><td></td><td></td><td></td></data<></func>					
decls> <func list=""> e <i> is used to implement</i></func>		<pre><f> <id list="" prime=""> semicolon <data decls=""> <i> left_parenthesis <parameter list=""> right_parenthesis <g></g></parameter></i></data></id></f></pre>			
<pre><pre><pre><pre><pre><pre><pre>data</pre></pre><pre>decls><func list=""> <data< pre=""></data<></func></pre></pre></pre></pre></pre></pre>	<h>></h>	<func list=""></func>	{left_bracket, left_parenthesis, empty}	{\$}	
decls> part of the above					
statement					
	<i>></i>	<func list=""> empty</func>	{int, void, binary, decimal,empty}	{\$}	
	<func list=""></func>	<func><func list=""> empty</func></func>	{int, void, binary, decimal,empty}	{\$}	
<g> is used as <func decl=""> is common to the two</func></g>	<func></func>	<func decl=""> <g></g></func>	{int, void, binary, decimal}	{int, void, binary, decimal, \$}	
productions for Rule <func></func>	<n></n>	semicolon left_brace <data decls=""> <statements> right_brace</statements></data>	{semicolon, left_brace}	{int, void, binary, decimal, \$}	
	·9·	ion_brace data door statements right_brace	[commoder, rer_brace]	[int, void, bindiy, decimal, ψ]	
	<func decl=""></func>	<type name=""> ID (<parameter list="">)</parameter></type>	{int, void, binary, decimal}	{semicolon, left_brace}	
	10.10 000.	type name 12 (parameter net)	[, voia, oary, accommany	[commonion, note_ondoor]	
		int void			
	ctuno namos	binary decimal	(int void binary decimal)	(ID)	
	<type name=""></type>	uecimai	{int, void, binary, decimal}	{ID}	
		void <non-empty list=""> </non-empty>			
	<pre><parameter list=""></parameter></pre>	empty	{int, void, binary, decimal,empty}	{right_parenthesis}	
	<non-empty list=""></non-empty>	<type name=""> ID <non-empty list="" prime=""></non-empty></type>	{int, void, binary, decimal}	{right_parenthesis}	
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	comma <type name=""> ID <non-empty list="" prime=""> </non-empty></type>	(comma ampha)	(right paranthosis)	
	<non-empty list="" prime=""></non-empty>	empty	{comma, empty}	{right_parenthesis}	
		chung namas sid liats naminal an salate design.		fint yould binary decimal ID if while notices	
	<data decls=""></data>	<type name=""> <id list=""> semicolon <data decls=""> empty</data></id></type>	{int, void, binary, decimal,empty}	{int, void, binary, decimal, ID, if, while, return, break, continue, read, write, print, right_brace, \$}	
	<id list=""></id>	<id> <id list="" prime=""></id></id>	ID	{semicolon}	
		comma <id> <id list="" prime=""> </id></id>			
	<id list="" prime=""></id>	empty	{comma, empty}	{semicolon}	
common to the two	<id></id>	ID <f></f>	ID	{comma, semicolon, equal_sign}	
	<f></f>	<pre>left_bracket <expression> right_bracket empty</expression></pre>	{left_bracket, empty}	{comma, semicolon, equal sign}	
	•	p-y	[ort_s.donot, ompty]	[common oriniosion, oqual_sign]	
				{ID, if, while, return, break, continue, read, write,	
	<blook statements=""></blook>	left_brace <statements> right_brace</statements>	left_brace	print, right_brace}	
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	<statement> <statements> </statements></statement>	(ID if while return break centinus read write print areat	(fright brace)	
	<statements></statements>	empty	{ID, if, while, return, break, continue, read, write, print, empty	{right_brace}	

<pre><j> is used as <assignment> and <func call=""> have ID common as their first element</func></assignment></j></pre>	<statement></statement>	D < > -	{ID, if, while, return, break, continue, read, write, print}	{ID, if, while, return, break, continue, read, write, print, right brace}	
	<j></j>	<f> equal_sign <expression> semicolon left_parenthesis <expr list=""> right_parenthesis semicolon</expr></expression></f>	{left_bracket, left_parenthesis, empty}	{ID, if, while, return, break, continue, read, write, print, right_brace}	
	<assignment></assignment>	<id> equal_sign <expression> semicolon</expression></id>	{ID}	{ID, if, while, return, break, continue, read, write, print, right_brace}	
	<func call=""></func>	ID left_parenthesis <expr list=""> right_parenthesis semicolon</expr>	{ID}	{ID, if, while, return, break, continue, read, write, print, right_brace}	
	<expr list=""></expr>	<non-empty expr="" list=""> empty</non-empty>	{ID, NUMBER, minus_sign, left_parenthesis, empty}	{right_parenthesis}	
	<non-empty expr="" list=""></non-empty>	<pre><expression> <non-empty expr="" list="" prime=""></non-empty></expression></pre>	{ID, NUMBER, minus_sign, left_parenthesis}	{right_parenthesis}	
	Then empty exprise	CAPTERSON THE STREET	(ib, Nombers, minus_orgin, one_parentaleous)	[iight_parantilosis]	
	<non-empty expr="" list="" prime=""></non-empty>	comma <expression> <non-empty expr="" list="" prime=""> empty</non-empty></expression>	{comma, empty}	{right_parenthesis}	
	<if statement=""></if>	if left_parenthesis <condition expression=""> right_parenthesis <block statements=""></block></condition>	{if}	{ID, if, while, return, break, continue, read, write, print, right_brace}	
 is used as <condition> is common to the two</condition>	<pre><condition expression=""></condition></pre>	<condition> </condition>	{ID, NUMBER, minus_sign, left_parenthesis}	{right_parenthesis}	
productions for Rule <condition expression=""></condition>		<condition op=""> <condition> empty</condition></condition>	{double_and_sign, double_or_sign, empty}	{right_parenthesis}	
	<condition op=""></condition>	double_and_sign double_or_sign	{double_and_sign, double_or_sign}	{ID, NUMBER, minus_sign, left_parenthesis}	
	<condition></condition>	<expression> <comparison op=""> <expression></expression></comparison></expression>	{ID, NUMBER, minus_sign, left_parenthesis}	{double_and_sign, double_or_sign, right_parenthesis}	
	<comparison op=""></comparison>	== = > >= < <=	{==, !=, >, >=, <, <= }	ID, NUMBER, minus_sign, left_parenthesis	
	<while statement=""></while>	while left_parenthesis <condition expression=""> right_parenthesis <block statements=""></block></condition>	{while}	{ID, if, while, return, break, continue, read, write, print, right_brace}	
				(ID if while seture basels as all as	
<e> is used as <return> is common to the two</return></e>			[roturn]	{ID, if, while, return, break, continue, read, write, print, right_brace}	
	<return statement=""></return>	return <e></e>	{return}	{ID, if, while, return, break, continue, read, write,	

	 	break semicolon	{break}	{ID, if, while, return, break, continue, read, write, print, right_brace}
	<continue statement=""></continue>	continue semicolon	{continue}	{ID, if, while, return, break, continue, read, write, print, right_brace}
	<expression></expression>	<term> <expression prime=""></expression></term>	{ID, NUMBER, minus_sign, left_parenthesis}	{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, <=, double_and_sign, double_or_sign}
	<expression prime=""></expression>	<addop> <term> <expression prime=""> empty</expression></term></addop>	{plus_sign, minus_sign, empty}	<pre>{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, e=, double_and_sign, double_or_sign}</pre>
	<addop></addop>	plus_sign minus_sign	{plus_sign, minus_sign}	{ID, NUMBER, minus_sign, left_parenthesis}
	<term></term>	<factor> <term prime=""></term></factor>	{ID, NUMBER, minus_sign, left_parenthesis}	{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, <=, double_and_sign, double_or_sign, plus_sign, minus_sign}
	<term prime=""></term>	<mulop> <factor> <term prime=""> empty</term></factor></mulop>	{star_sign, forward_slash, empty}	{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, <=, double_and_sign, double_or_sign, plus_sign, minus_sign}
	<mulop></mulop>	star_sign forward_slash	{star_sign, forward_slash}	{ID, NUMBER, minus_sign, left_parenthesis}
<a> is used as ID is common to the first three productions for Rule <factor></factor>	<factor></factor>	ID <a> NUMBER minus_sign NUMBER left_parenthesis <expression> right_parenthesis</expression>	{ID, NUMBER, minus_sign, left_parenthesis}	{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, =, double_and_sign, double_or sign, plus_sign, minus_sign, star_sign, forward_slash}
	<a>	left_bracket <expression> right_bracket left_parenthesis <expr list=""> right_parenthesis empty</expr></expression>	{left_bracket, left_parenthesis, empty}	{right_bracket, right_parenthesis, semicolon, comma, ==, !=, >, >=, <, <=, double_and_sign, double_or_sign, plus_sign, minus_sign, star_sign, forward_slash}