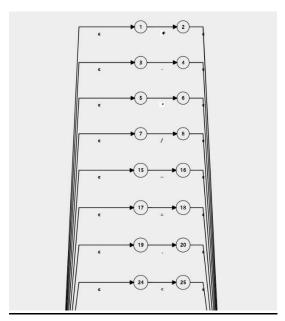
Compiler Scanner #2:

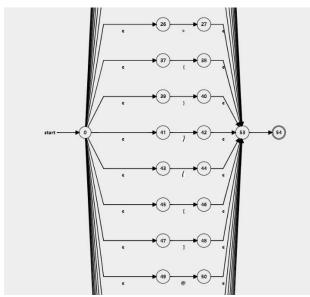
1-Symbols:

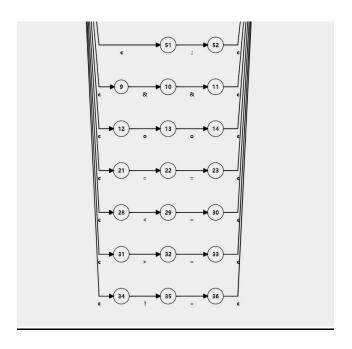
1.1-Symbols Regular Expression:

 $\mathsf{RE} = (+|-|*|/|\&\&|^{\sim}|oo|=|.|==|<|>|<=|>=|!=|\{|\}|(|)|[|]|,|@|;)$

1.2-Symbols NFA:





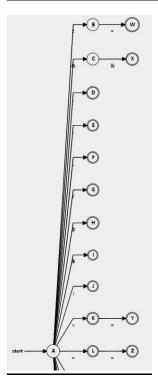


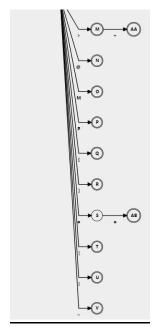
1.3-Symbols Transition table:

NFA STATE	DFA STAT E	ТҮРЕ	!	&	,	-	•	/)	(;	<	=	>	@	*	+	[]	0	{	}	~
{0,1,3,5,7,9,12,14,17,19,21,24,26,28,31,34,37,39,41,43,45,47,49,51,53}	А		В	С	D	E	F	G	Н	I	J	K	L	M	1 N	0	Р	Q	R	S	Т	U	V
{35}	В												W										
{10}	С			Х																			
{50,55}	D																						
{4,55}	E																						
{20,55}	F																						
{8,55}	G																						
{44,55}	Н																						
{42,55}	1																						ш
{54,55}	J																						ш
{25,29,55}	K												Υ										ш
{18,22,55}	L												Z										\square
{27,32,55}	M												A A										
{52,55}	N																						
{6,55}	0	accept																					
{2,55}	Р	accept																					
{46,55}	Q	accept																					
{48,55}	R	accept																					
{15}	S																			A B			
{38,55}	Т	accept																					
{40,55}	U	accept																					
{13,55}	V	accept																					
{36,55}	W	accept																					
{11,55}	Χ	accept																					

{30,55}	Υ	accept										
{23,55}	Z	accept										
{33,55}	AA	accept										
{16,55}	AB	accept	•									

1.4-Symbols DFA:





2-Identifiers:

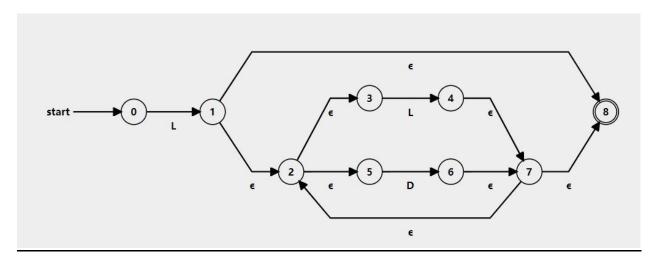
2.1-Identifiers Regular Expression:

 $L = ([a-z]|[A-Z]|_)$

D=[0-9]

RE=L(L|D)*

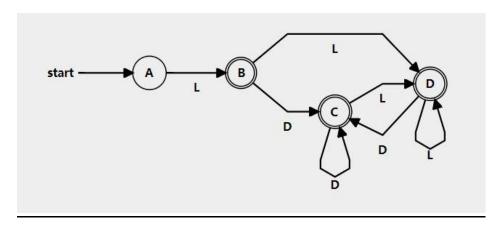
2.2-Identifiers NFA:



2.3-Identifiers Transition Table:

NFA STATE	DFA STATE	TYPE	D	L
{0}	Α			В
{1,2,3,5,8}	В	accept	С	D
{2,3,5,6,7,8}	С	accept	С	D
{2,3,4,5,7,8}	D	accept	С	D

2.4-Identifiers DFA:



3-Keywords:

3.1-Keywords Regular Expression:

RE=(Divisio|InferedFrom|WhetherDo|Else|Ire|Sire|Clo|SetOfClo|FBU|SFBU|NoneValue|TerminateThisNow|RingWhen|BackedValue|STT|Check|CaseOf|Beginning|End|Using)

3.2-Keywords NFA:



3.3-Keywords Transition Table:

NFA STATE	D F A S T A T E	T Y P E		В	С	D	E	F	1	Z	O	R	S	T	U	V	>	а	С	d	е	f	g	h	i	k	_	m	n	0	r	S	t	u	>	W
{0}	Α		В																																	
{1,2,10,22, 32,37,41,4	В			С	D	Ε	F	G	Н	I		J	K	L	N		Ν																			
6,50,59,63																																				
,68,78,95,																																				
104,116,1																																				
20,126,13																																				
3,143,147}																																				
{105,134}	С																	0			Р															
{47,121,12	D																	Q						R			S									
7}																											-									
{3}	Ε																								Т											
{33,144}	F																										U		٧							
{60}	G			W																																
{11,38}	Н																												Χ		Υ					
{69}	I																													Z						
{96}	J																								A A											
{42,51,64, 117}	K							A B						A C							A D				A E											
{79}	L																				A F															
{148}	М																															A G				
{23}	N																							A H								0				
{106}	0																		A																	
{135}	Р																		•				A													
{128}	Q																						J									A K				
{122}	R																				A L											- 1				
{48}	S																				_									A N						

{4}	Т																						A	
{34}	U																				A O			
{145}	V											A P												
{61}	W								A Q															
{12}	Х													A R										
{39}	Υ												A S											
{70}	Z																		A T					
{97}	A A																		A U					
{65}	A B		A V																					
{118}	A C							A W																
{52}	A D																					A X		
{43}	A E																			A Y				
{80}	A F																			A Z				
{149}	A G															B A								
{24}	A H												B B											
{107}	A																B C							
{136}	A															B D								
{129}	A K												B E											
{123}	A L										B F													
{49,153}	Α	a c c e p									-													
{5}	A N															B G								

{35}	A 0										B H									
{146,153}	A P	a c c e p t																		
{62,153}	A Q	а																		
{13}	A R										B I									
{40,153}	A S	accept																		
{71}	A T										B J									
{98}	A U											E								
{66}	A V							B L												
{119,153}	A W	a c c e p t																		
{53}	A X					B M														
{44}	A Y										B N									
{81}	A Z														B O					
{150}	B A															B P				
{25}	B B										T							B Q		
{108}	B C										B R									

{137}	B D																			B S				
{130}	B E						B T																	
{124}	B F																	B U						
{6}	B G																					B V		
{36,153}	B H	a c c e p t																						
{14}	B I																				B W			
{72}	B J									B X														
{99}	B K										B Y													
{67,153}	B L	a c c e p t																						
{54}	B M													B Z										
{45,153}	B N	a c c e p t																						
{82}	B O																C A							
{151}	B P														C B									
{26}	B Q															C								
{109}	B R												C D											
{138}	B S																			C E				
{131}	B T													C F										

{125,153}	B U	a c c e p																			
{7}	B V														C G						
{15}	B W											C H									
{73}	B X									C I											
{100}	B Y													C							
{55}	B Z			C K																	
{83}	C A																L				
{152,153}	C B	a c c e p t																			
{27}	C C											C M									
{110}	C D								C N												
{139}	C E														C O						
{132,153}	C F	a c c e p t																			
{8}	C G																	C P			
{16}	C H										C Q										
{74}	C I															C R					
{101}	C											C S									
{56}	C K															C T					

{84}	C L									C U											
{28}	C M																	C V			
{111}	C N									C W											
{140}	C 0															C					
{9,153}	C P	a c c e p t																			
{17}	C Q				C Y																
{75}	C R																			C Z	
{102}	C S															D A					
{57}	C T																D B				
{85}	C U																		D C		
{29}	C V			D D																	
{112}	C W														D E						
{141}	C X												D F								
{18}	C Y																	D G			
{76}	C Z											D H									
{103,153}	D A	a c c e p t																			
{58,153}	D B	a c c e p t																			

{86}	D C										D I								
{30}	D D															D J			
{113}	D E																	D K	
{142,153}	D F	a c c e p																	
{19}	D G															D L			
{77,153}	D H	a c c e p																	
{87}	D I						D N												
{31,153}	J	a c c e p																	
{114}	D K										D N								
{20}	D L														C				
{88}	D M												D P						
{115,153}	D N	а																	
{21,153}	D O	a c c e p																	

{89}	D													D						
	Р													Q						
{90}	D																	D		
	Q																	R		
{91}	D					D														
	R					S														
{92}	D																D			
	S																Т			
{93}	D																			D
	Т																			U
{94,153}	D	а																		
	U	С																		
		С																		
		е																		
		р																		
		t																		

3.4-Keywords DFA:

