KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

(CSE)

Compiler Project Progress Report Manual

Tools: Using Flex

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SL NO	***Keyword/Symbol***	***String/Keyword / Symbol in C***	***Description***
1.	#attach	#include	Include header files
2.	#Suppose	#define	Definition
3.	Integer	int	Integer data type
4.	Float	float	Float data type
5.	Double	double	Double data type
6.	Long Integer	long integer	Long Integer data type
7.	Char	char	Character type data
8.	Bool	bool	Bool type data
9.	EmptyType	void	void type i.e. no retrun type
10.	brk	break	Break statement
11.	echo()	printf()	Printing output statements
12.	scan()	scanf()	Take input from user
13.	$$	//	Single line comment
14.	$* … … … *$	/* … … …*/	Multi line comment
15.	func functionName((type1 argument1, type2 argument2, ...) :-> return_type	returnType functionName(type1 argument1, type2 argument2, ...);	Function declation

16.	iff(test expression)then {
	$$code
	}
		if (test expression)
		{
		// code
		}
			If statement

17	elif(test expression)then {
	}
	
		else if (test expression)
		{
		}
		
			Else if statement

18	els{
	}
	
		else {
		}
		
			Else statement

19	for_loop (initialize : condition : update)
	loopstart
	$$body of loop
	loopend
		for (initialize; condition; update)
		{
		//body of loop
		}
			For loop

20	while_loop (testExpression)
	loopstart
	$$ the body of the loop
	loopend
		while (testExpression) {
		// the body of the loop
		}
			While loop

21	do_first { $$statement }while_loop(testExpression)	do { }while(testExpression)	Do while loop
22	keepgoing	continue	continue statement
23	handle	switch	switch statement
24	type	case	switch case
25	otherwise	default	default case
26	.	;	end statement
27	add	+	addition operator
28	minus	-	subtraction operator
29	mul	*	multiplication operator
30	divide	/	division operator
31	mod	%	modulus operator
32	AND	&&	logical AND operator

33	OR	||	logical OR operator
34	NOT	!	logical NOT operator
35	XOR	^	logical XOR operator
36	**	pow()	exponentiation operator
37	root()	sqrt()	Square root function
38	flr()	floor()	Floor function
39	ceil()	ceil()	Ceil function
40	abs()	abs()	Absolute function
41	logarithm()	log()	Logarithm function
42	sine()	sin()	Sine function
43	cosine()	cos()	Cosine function
44	tan()	tan()	Tangent function
45	:=	=	Assignment operator
4	<	<	Less then
47	>	>	Greater than
48	<=	<=	Greater or Equal
49	>=	>=	Less or Equal
50	=	==	Equal
51	=!	!=	Not equal
52	:->		return type for function
53	back	return	return statement
54	asine()	asin()	the arc sine (inverse sine) of a number in radians
55	acosine()	acos()	the arc cosine (inverse cosine) of a number in

			radians
56	atan()	atan()	the arc tangent (inverse tangent) of a number in radians
57	prime()		The function returns true if the number is prime otherwise 0
58	Variable	[A-Za-z_]+[A-Za-z_0-9]*	Variable declaration
59	DIGIT	[0-9]	Digits
60	Floating	[0-9]+[.][0-9]+	Floating number
61	Condition	(" < "|" <= "|" > "|" >= "|" =! "|" = ")	Conditional operators
62	fob	(	opening bracket
63	fcb	)	closing bracket
64	{	{	opening parenthesis
65	}	}	closing parenthesis
66	Start_From_Here()	main()	main function