Planning	1. Inspection ID	102062342 102062342 102062209 (1) 102062342 (2) 102062209 (3)		Date <u>2016/5/8</u> <u>102062209</u> (4)(5)(6)		
	1. Inspection ID					
	2. Team Moderator Author Reviewers					
	3. Documents					
	Work products	(1) <u>print_token.c</u> (2) <u>stream.h</u> (3) <u>token.h</u>		(4) (5) (6)		
	References	(1) lecture h	andhouts	رة) يا~jdalbey/308/Le		
	Checklists	(1) missing word (2) Logic problem		(3) <u>Syntax error</u> (4) <u>Redundant</u>		
	4. Meetings	Date	Location	Start	End	
	Orientation	2016/5/5	EECS326	19:30	3:30	
	Review Meeting	2016/5/8	EECS326	_20:30		
	5. Planning	√References o	btained for work p	product.		
	Objectives	√ Checklists of	tained for work p	roduct.		
		✓ Moderator is trained in Formal Technical Review procedure.✓ Team members agree to proposed times/dates.				
		✓ Moderator's quick review yields less than 5 major issues.				
		✓ Reviewers u	nderstand respons	sibilities and are co	mmitted.	
	6. Planning Effor	t <u>60</u>	minute	es		

Orientation 7. Prep. Goalsmin/pkg x	pgs. =prep.min/reviewer
7. Prep. Goals <u>20</u> min/pkg x _ prep.min/reviewer	<u>19</u> pgs. = <u>380</u>
8. Orientation ✓ Reviewers understand so	cope and purpose of work product.
Objectives ✓ Reviewers understand of	checking process, checklists, and references
✓ Work product, reference	s, checklists and checking forms provided.
9. Orient. effort 20 minutes x 2	_participants = <u>40</u> _minutes

	12. Reviewer ID 102062342		13. Reviewer ı	name <u>蔡承宏</u>		
14. Critical	, Severe and Mod	derate Issues				
Num	Location	Severity	Chk/Ref	Description		
		<u>severe</u> critical	<u>logic pro</u> logic pro	False should to should be fope	<u>be define</u> n(filenam	<u>ed 0</u> e,"r")
3	117	critical	syntax err	miss';'		
4	299	critical	syntax err	miss';'		
_5	453	_minor	Redundant	redundant';'		
_6	474	severe	logic pro	declare state=-1	I will caus	se logic problem
_7	480	severe	logic pro	next[base[state]+ch+1],+	-11 ogic problem
_8	501	_severe	logic pro	should be '=='	,not '='	
<u>9</u> 10	503 527	critical critical	syntax err syntax err	"then" should b	e revised	I to "else"
_11	376~380	_minor	Redundant	statements after	return ca	n't be executed
12	602	critical	syntax err	miss a '}'		
13 14	stream.h 16 229	critical critical	missing work Redundant	lose variable redundant '}'		
15	116	minor	Redundant	redundant &8	RTRUE	
16	65~68	critical	missing word	miss struct m	embers	
17	233	severe	logic pro	default should be	e placed	at end of switch
18	203	severe	logic pro	redundant'+',le	ogic prob	lem
15. Effort	60 minutes	16. Issues	9 6	0	3	0
		Totals	critical se	evere moderate	minor	author Q's
17. Prepara Objec	tives ✓ All critic	cal, severe and		cked. are noted on this force on the work		

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	12. Reviewer ID		13. Reviewer na	me Chiu Cheng Kai
14. Critica	I, Severe and Mode	rate Issues		
Num	Location	Severity	Chk/Ref E	Description
1	15 ~ 19 69	Critical Severe		nction declaration missing parameter fopen(,"w") -> fopen(,"r")
3	69~75	Severe	Logic Problem	condition and statement in branch "if"
4	99	Severe	Logic Problem	"and else if" should exchange. (stream_ptr->stream_ind) ,> ++
5	116	Minor	Redundant	" && TRUE" is redundant
6	230	Critical	Syntax error	an extra '}' causes the wrong scopes
7	234	Severe		efault should not be put at the first case
8	224	Severe	Logic Problem	ch_stream , is redundant,
9	226	Severe	Missing Word	There shold be a stropy() here
10	454	Minor	Redundant	There is a redundant ';'
11		Minor	RedundantT	here is a redundant '
12	603	Critical	Syntax Error T	here is a missing }
13	597	Severe	Logic Problem t	he redundant ';' make the loop useless
<u>14</u> 15	474~487 6 in tokens.h	Critical Critical		pase/check/next/default1 are not defined keyword" is conflict with function name
16	15~18 in tokens.h	Critical		Missing the Definition of struct
17	159	Critical		stream_type.token_stream_type token The parameter FILENAME is missing

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17. Preparation o Work product has been completely checked.

15. Effort 120 minutes

371

18

Objectives o All critical, severe and moderate issues are noted on this form.

moderate logic pro

o All minor issues and author questions are noted on the work product.

16. Issues <u>7</u> <u>7</u> <u>1</u> <u>3</u> <u>0</u>

Totals critical severe moderate minor

Return type should be int , not double

author Q's

Review

Aggregate Checking Data

Meeting R1 R2 R3 R4 R5 Total 18. Prep. Effort 180 _minutes 19. #Critical Iss. 16 issues 20. #Severe Iss. 13 _issues 21. #Moder. Iss. _1____ _issues 22. #Minor Iss. 22. #Author Q's 0 questions

23. Consolidated list of critical, severe and moderate issues

Num	Location	Severity	Chk/Ref	Description
1	7	severe	logic pro	False should to be defined 0
3	69 117	<u>critical</u> critical	logic_pro_ syntax err	Should be fopen(filename, "r") Miss';
4	299	critical	syntax err	Miss';'
_5	453	minor	<u>Redundan</u> t	Redundant ';'
6	474 480	severe severe	logic pro logic pro n	Declare state=-1 will cause logic problem next[base[state]+ch+1],+1 is logic problem
8	501	severe	logic pro	Should be '==' ,not assign '='
<u>9</u> 10	503 527	<u>critical</u> critical	<u>syntax err</u> syntax err	"then" should be revised to "else" Redundant
11	376~380	minor	Redundant	Statements after return can't be executed
12	602	critical	syntax err	Miss a '}'
<u>13</u> 14	229 116	<u>critical</u> minor	<u>syntax err</u> Redundant	Extra '}' which would lead to malfunc Redundant "&&TRUE"
15	233	severe	logic pro "c	default" should be placed at end of switch
_16	203	severe	logic pro	<u>"+=" should be " = " </u>
_ <u>17</u>	69~75	severe	logic pro	condition and statement in branch "if" and else if" should exchange.
18	100	severe	logic pro	stream_ind , should be ++,
19	6 in tokens.h	critical	syntax error	"keyword" is conflicted with function name
_20	371	<u>moderate</u>	logic pro	Return type should be int , not double
<u>21</u> 22	159 15 ~ 17	critical critical	missing word missing word	The parameter FILENAME is missing Function declaration missing parameter
23	474~487	critical	missing Word	base/check/next/default1 are not defined
_24	1 <u>5~18 in token</u>	s.h critical	missing word	Missing the Definition of struct stream_type,token_stream_type token

24. Review Meeting

✓All reviewers present. List absent reviewer ID's: __N/A

Objectives

- ✓ All reviewers prepared sufficiently for meeting.
- ✓ All issues noted by Scriber and understood by Author for rework.
- ✓ Any problems with inspection process have been noted.

25. R.M. effort 90 minutes x 2 participants = 180 minutes

Inspection Metrics

Please calculate the following metrics and record the process. (e.g., the formula)

Total Defects Found:18+18-12=24

Total inspection hours:60min+120min=180min=3hour

Estimated Total Defects: (A(Number of defects found by A) X B(Number of

defects found by B))/C(Number of defects found by both A and B)

18x18/12=27

Yield: Total Defects Found/Estimated Total Defects X 100%

(24/27)x100%=88.8%

Defect Density: Total Defects Found/Size(pages)

<u>24/19=1.26</u>

Inspection Rate: size(pages)/total inspection hours

19pages/3hours=6.3pages/hour

Defect Finding Efficiency: Total defects found/total inspection hours

24/3hours=8defects/hour