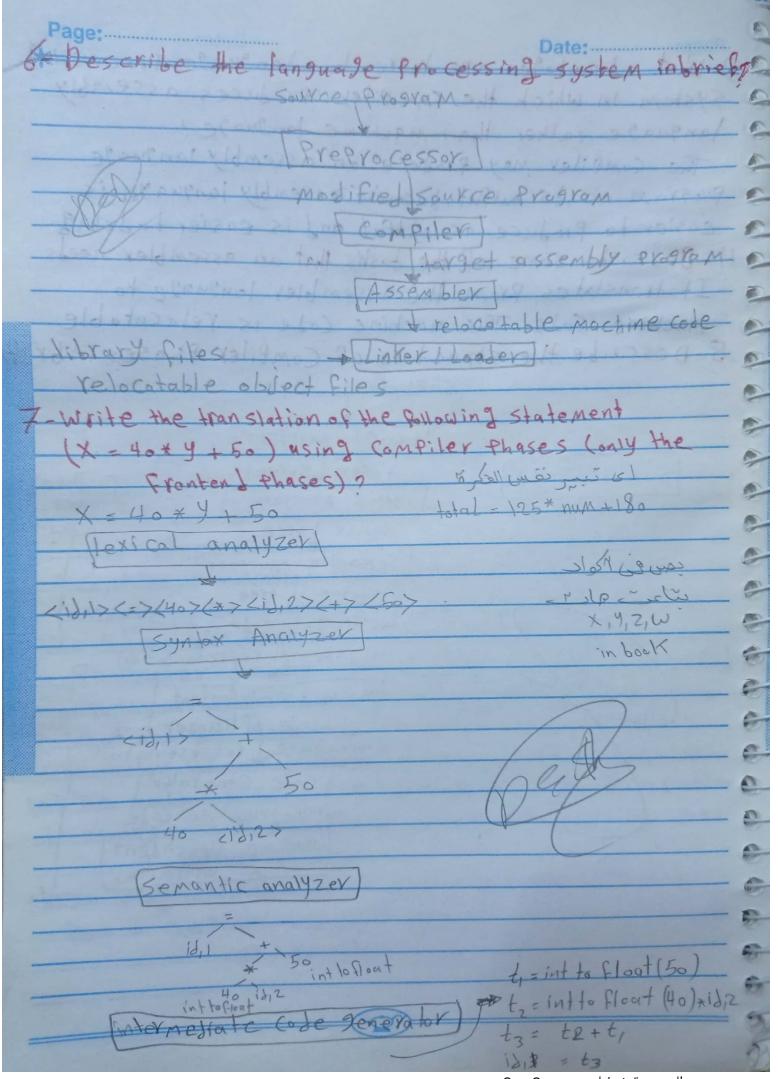
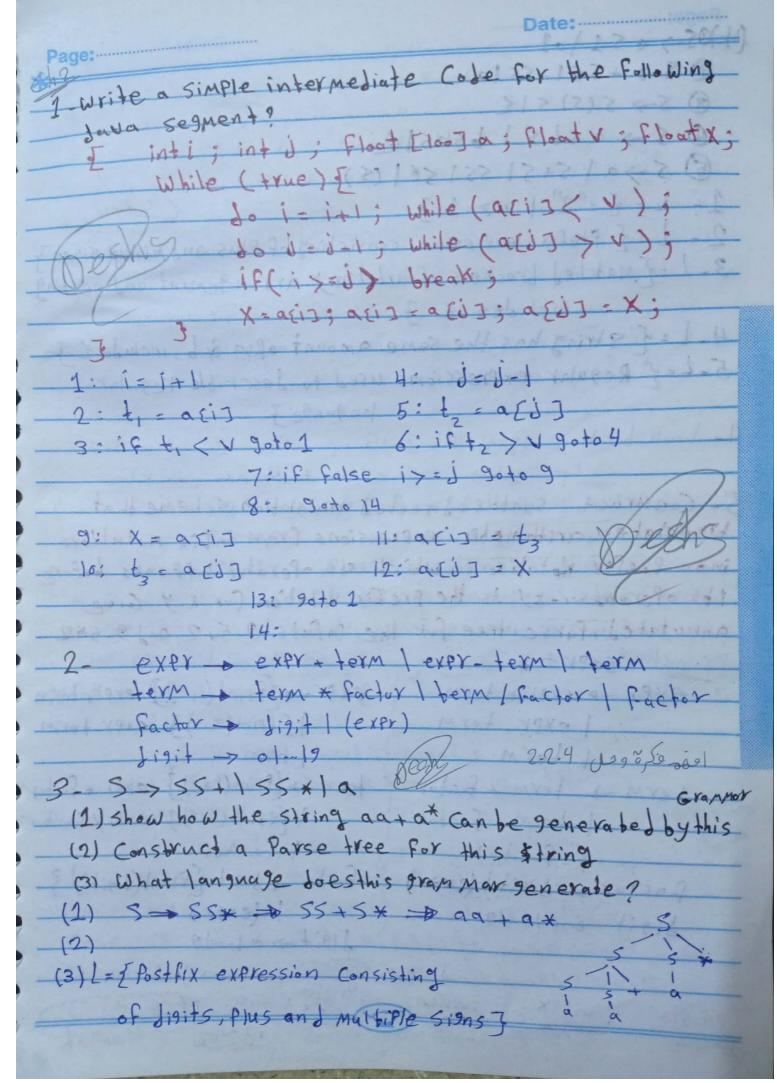
Page:		Compiler	Date:	
Conver	FA NFA to	DOM		
RE			to self may port	
(=0	NS(a basic		
			hosp	
Y= 51+	1000) N(c) (2) 16 (6)		
	2 363) AW (4) 2		
	and house of) H(I) (1)	S. J. Salar and State of the St	Sal Sal Da
V= St	000	(15) (N WIL) ((1) aval v	Jo Yaslas
Carrie of the	1 700/100	2011		No.
Y = 5*	102	N(5) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(A) Vall 200	19 1019
	allol along	M. Jas Sarlalid		2
pollanile	L - + 0972	MA TO TO	(1)	
ch1			+4467	T-1011/5/
I - What is	s the diffe	rence between	a Compiler and o	intediately
		19 Livetag out		The Dyna
			ead a Program in	
			le and translate i	tinto
			ier language	Lauratat
			the operations	
			ts supplied by	
			a compiler over o	
			a Compiler?	
			am froduced by	
		er than an int	erfreter at mass	ing inputs
	o outPuts	1111 02	1 11-1 1:	0 1.
			better error di	
than a			ecubes the Source	e program
	5 tq	rement by Sto	iteMent	
			A	
		(O)	nesy	
		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN		

2- What advantages are there to a language processing Page: --system in which the compiler Produces assembly language rather than machine language? The compiler may produce an assembly language Program as its outfut, because assembly language is easier to Produce as outfut and is easier to debug 4- Describe some of the tasks that an assembler needs It translates from the assembler language to - Machine Code. This machine Code is relocatable 5 Describe the structure of Compiler Phases inbrief Character Stream Lexical Analyzer token Stream Table Syntax Analyzer tree Syntax Semantic Analyzer Syntax Intermediate Code Generator intermediate representation Machine Independent Code offimizer intermediate representation Code Generator target Machine Cote Machine DePendent Code offinizer



الممسوحة ضوئيا بـ CamScanner



(4)05->051/01 05->+551-55/a Moignous - 000/1 6 5->5(5)512 Ø 5 → a 5 b 5 1 b 5 a 5 1 € 2:2-3 6 5->a 1 5+51 551 5*1 (5) 1-1-5011 17=13 2 - L= { Prefix expression consisting of Plus and Minus signs } 3-1-{matched brackets of arbitrary arrangement and nesting 1 includes & 7 4- L= { String has the same amount of a & b, include & } 5-L= & Regular expressions used to describle regular Janguage 7 -1- look book 19214, 215 INFIX woden cul promoco comb to Postfix 5 - Construct a syntax directed translation scheme that translates arithmetic expressions from infix notation into frefix notation in which an operator appears before the oferands - xy is the prefix notation for x-y Give annotated forse tree for the infuts 9-5+2 and 9-5*2 Productions expr Schemes EXPY - EXPY + term 5" exer frint ("+")} exerpterm | exer term | | { Print("")} exer term Ferm 1 term / term => {Print ("x") } exer * factor term & ferm x factor ferm / factor 1 ferinb ("1")] exer/factore 1 factor 1 factor Cactor & digit (expr) Factor Dollart & Print (digit") } digit = 01-19 (exer) 119it >01-19 Moral Enclarmanten da alga Sprefix governo Production asy Prefix Linkix Cloudiantachora

Up the celled our coips soli y inter in ilot la relgas carol coji (s) term Factor [Print (5)] Print (19) 8 inbook look for 2-16 9 2-17 92.18 215-11 0/95/11 (as the Chi Predictive Parsing que applications For (oPhexer; oftexer; oftexer) start Match (For); Match ('('); oftexer(); Mutch ('3'); oftexpr(); Match (';'); oftexper(); Match (')'); St mt() "acell 10/9 Go forminal By of Colodos ferminal (1) Void match (terminal t) { Function is not terminal 1 if (lookahead = = t) lookahead = next Terminal; else report (" syntax error"); 7 Void oftexer () { if (lookahea) == exer) match (exer); } Void Stat () { Switch (lookahead) } Case exer: Match (exer); Match (5); break; Case if : Match ('if'); Match ('1'); match (exer); match Case For: Match (for) Exital dos lojer break; Case other: Mutch (other); break; default: refort (' syntax error"); 7

