	ch1 Introduction.	Page No. Date	
		101 bich	
*	compiler is a translator which translates HLL into LLL or MLL		
To Control	5219. 81-11 A. 117111 31111 1800 F. C.		
	source Compiler target language		
	language Compiler		
	THE PROPERTY AND TO RETURN A FEET		
	compiler compiles the whole program		
	whereas interpreter translates interpret		
	earn statements of a million		
AS TAKE	tienaporid resorting ani uniquant		
*	One-pass compiler or single-pass		
	associated is a compiler train passes		
	Harrigh the source code of each		
	compilation white orning confidence		
	1 (3 () 2 () () () () () () () () (
*	Two pacetionnoiler 180 ancompiler		
	which goes through assembly language		
	which goes through assembly language twice and generate object wode.		
		<u>C++</u>	
	OTTIGIC	nulti-Pass	
	54555	passes	
	source coac	multiple	
	of each compilation	times.	
	unit once	<u> </u>	
	also called (Dal	20 10:110 01	
	narrow compiler (1) als	so called ide compiler	
		Her code	
	1600 611166	Himization	
	code optimization op	d code generat.	
	and code general.	rall memory	
(11)	lai de lijerioi d	r compilation	
	thi (Ompitation	MC Y	
(V) -	faster S100	we y	

Page No. rotallorial to Date cross compiler run on one machine compiler that run on one machine another machine * aspects of compilation O compiler generated code which implements meaning of source program in an execution domain. D'compilation process diagnosis the wrong semantics of source programmet religion à religion through the sounds exclesions and * Bootstrappingristanprocessinn which simple program is used which in team used to translate more complicated program 101 eerhold(um * Single-Pass - meets (1) DUSSE & (1) passes through me s gillum obos o muos of each compilation JINO FINE (1) cited catted roligaros woorron

Ch2 Lexical Analysis Lexical analysis is the process of converting a sequence of characters from source program into a sequence of tokens in you make the 101 you Token is a sequence of characters that suppresents a unit of information in source program. money to red servings & - () gorony (in) * Pattern is carule (that 11 describes then character of hat ican be grouped into tokens. texeme is a sequence of characters (1) in the source program that matches the pattern for a token Sentinels is a special characters that cannot be part of source program and natural choice is the character eof * Lex is a computer program that generates Lexical amalyzer * 3 sections of Lex D declaration section (ii) oule section (ii) procedure section.

P (ENDINITE TRUES) C Date Lex Library functions Month of the Dyylex () - Start or resume scanning Je Emphon of a Olainway on Mygtext() - Whenever lexer matches token the text of the token is stored tod prominated string minorismo yytex time of elaser POUTE PROGRESSING (11) yywrap() - returns for o when soirs styy lex () reaches end of stricting of mether file it by default return (iv) yyerrore) - reports comon to usen in the courtees program It hat marking the pathenn for a token * services is a special trinardition that cannot be partly experse uses indiparted to the control of th & LCX is to computed projection Jenerales Lexical Cyricilizer × 3 5000000000 00 1.00 noison moldon section I Tropped of missing or procedure socials