CSE 135 19/24) - Design PDF first, then start coding -SSh = secure shell -SCP = secure copy -sttp = Secure FTP -git tracks files, allows collab (u) prof 4 TAs) => Source code contra - don't muss w/ .git contents (clone again otherwise) - vi = standard fext editor on Unix - Vim = Vi Improved (done of Vi editor) Henerything on Vi is available on Vim - README, mil must be in Markdown 1- KSIGN pdf (answers pre-Lab q's) describes algorithms & problem, input, exput diagrams, -WRITENP. polf (analysis of running code)
lex; talk about results of code) - DESIGN due THRS, code 0159:griments due SUN
- DESIGN due THRS, code 0159:griments due SUN
- ruch (do w) all edits) -git add -> commet -> push (do w/ all edits) - get pull for get file to local device Copposite way) 19/27) - #include < stdio.h > adds standard I/o package/library
- WHAM int Main (void) main function, void = no arguments -"cc" for standard compiler => "cc -o hello hello.c" works enstead of clang

MANE FERRE THE MANER -temperatures -ok = absolute Zero TONE STATE STREET Pilos augus a dogo - % = K - 273, 15 - of = oc ×9 :5+32 TTY SHAND THE - print of to oc table stindude < tdies> int main (void) & (s. A Float fahr, celsius; from 50. We saw that int lower =0, upper = 300, step = 20; Fahr = buer; while (fahr == upper) { celsius = (5.0/9.0) * (falir - 32); prentf (10/3.0 f % 6.1 f \n", fahr, celsius); return 0; Nismur to explained the Title lex to it about results of and - chars = small ints => get-char() returns an int - High types = float, int, char -each pair of 23 = scope -scope of a variable tells where it exists -EOF = end of file - double quote around string, single quote around whar - # define NAME througher - program reads NAME as a NUMBER where the code has NAME

compilation proce	pre-processor (hello.i)	
Source code -	> pre-processor.	
(hello.c)	1 (hello. i)	
	compiler - assembly code (hello	(5)
6(13) 1A2 A31)		
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	-) Trumer 2	
	executable (bello)	
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stack	5 7 70 10 10 10 10 10 10 10 10 10 10 10 10 10	
•	7 7 (30) 6	
heap		
unititialized	TEGINAL ALGORITHMENT OF THE SECOND SE	
unititialized data (bss)		
initialized data		
text		

- fuster one?

-gcc: GNV Compiler, Lemux default

-cc: Unix/Linux voriable that points to default compiler

- ulang. Mac & FreeBSD default

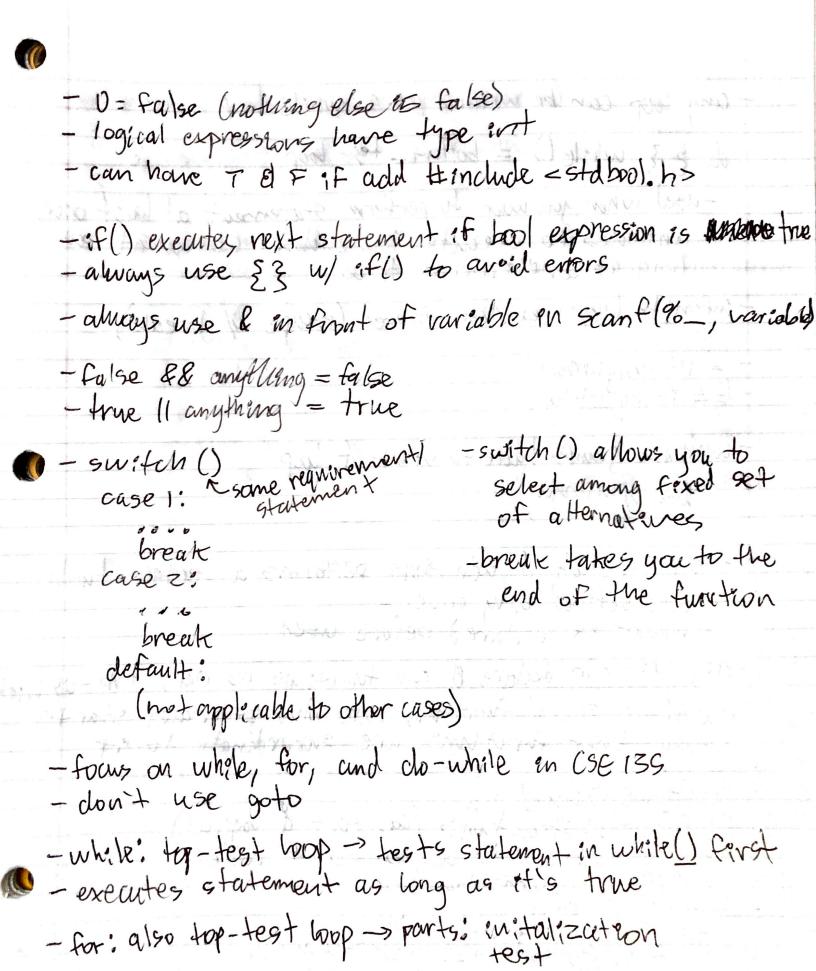
VSE THIS IN AGSIGNMENTS!

-Balean $-\Lambda = \text{and} = \text{conjunction} \qquad A \Lambda 1 = A \qquad A \Lambda (BVC) = (A \Lambda B)V$ $-V = \text{or} = \text{disjunction} \qquad A \Lambda 0 = 0 \qquad (A \Lambda C)$ $+ \gamma = \text{not} = \text{negation} \qquad A \Lambda A = A$

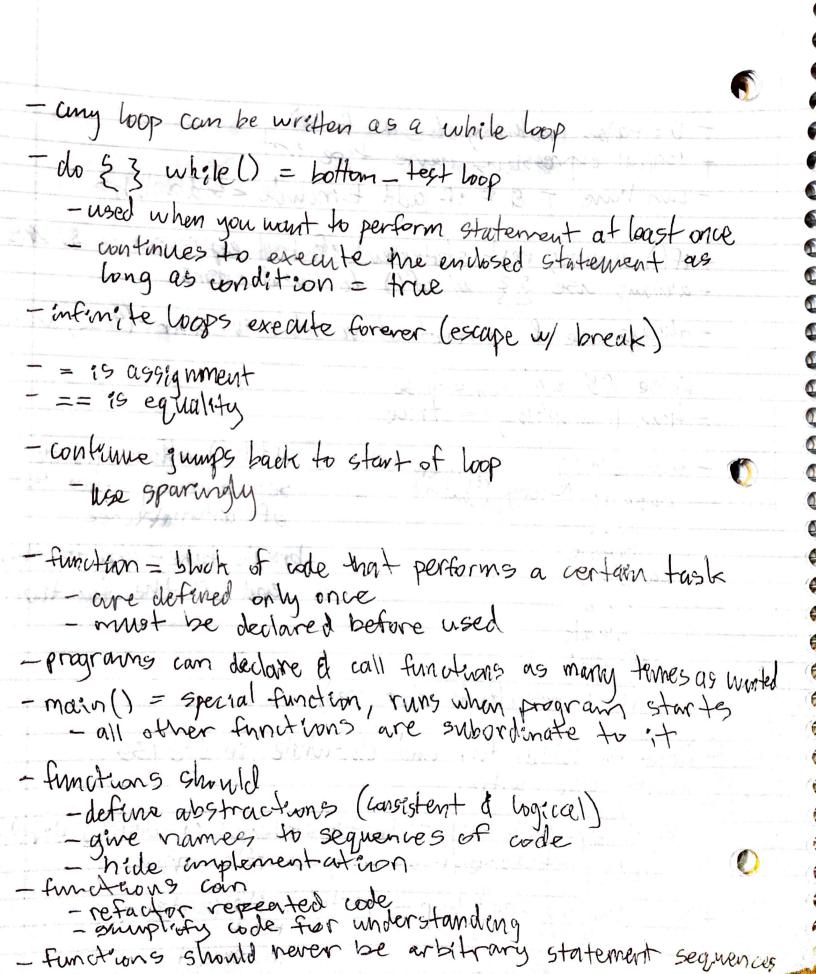
- Exchigive -or \oplus (xDR) \overline{T} \overline{F} \overline{T} fone or other \overline{T} \overline{F} \overline{T} F \overline{T} Exchinity both)

L>ABB= (AVB) A7(AAB) = (AA7B) V (7AAB) ABA=D ABO=A AB(BBC) = (ABB) BC

-De Morgans Law: 7 (AVB) = 7A / 7B 7 (ANB) = 7A V 7B



increment



return type function name (parameters) & function head function block felly Il de darations, assignment statements - return_type defines type of return value - may be void or any object type other than array - function_name = swictions name - parameters mathema contained in common-separated declarations list - if no parameters, () is empty or has void - function block/body = declarations (diclared variables that are only locally known) of assegmment statements (set and/or resets variable valves) -return values can be void (no value)
- can return any scalar value (char, int, Shoot)
- can return pointer, was can return struct (but don't
- cannot return array - function naming -> some rules as variedble naming -- court start w/ - or \$ or another func name -- there are no nested tunes in C - can start w/ It or any other punctuation except parameters languments - Man"call by name" is rare -> C Preprocersor supports it - C uses "call by value" except for arrays of only because they're positives (positives make them

seem the "call by reference")

- parameters = name of value that's passed to tunction - can be copied to formal parameter

- reference men be not bound to formal parameter

(the parameter used ingrete function body) -do this by using call by value by passing pointer - call by rate had by all funcies in C - anguments passed in fine are copied - copy of actual parameter places in tornal parameter had for mile and form PORT NEW PROPERTY return;

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