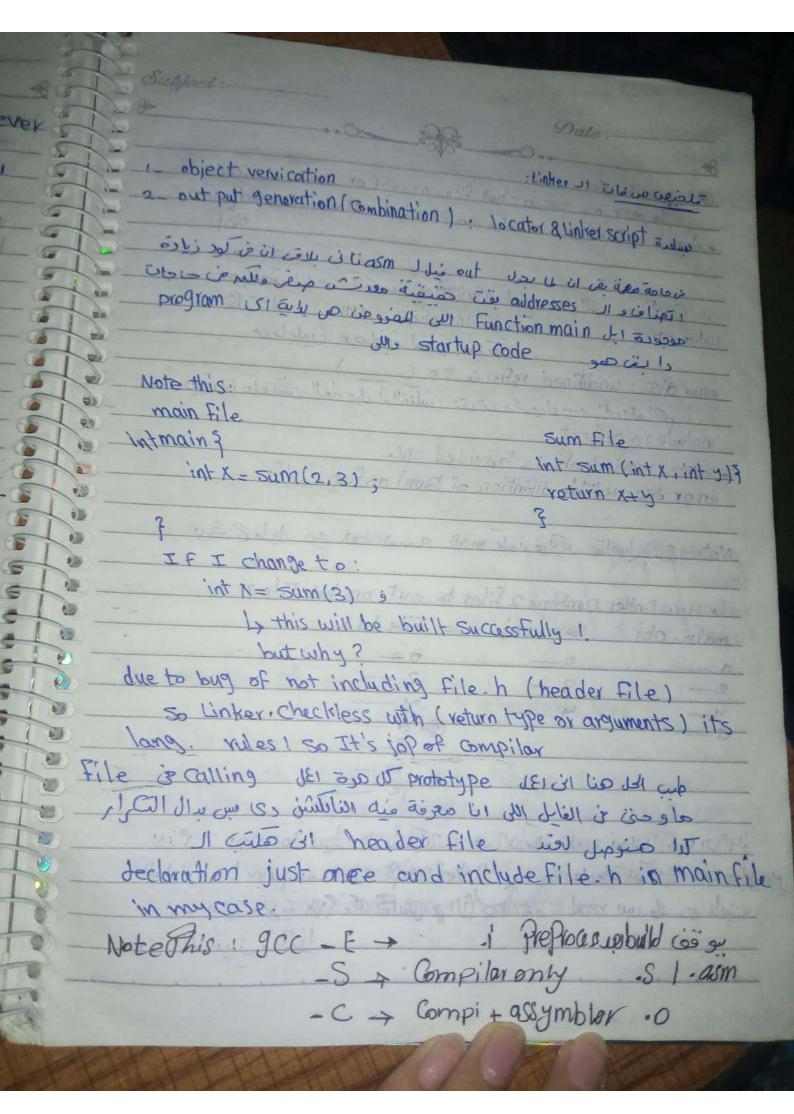
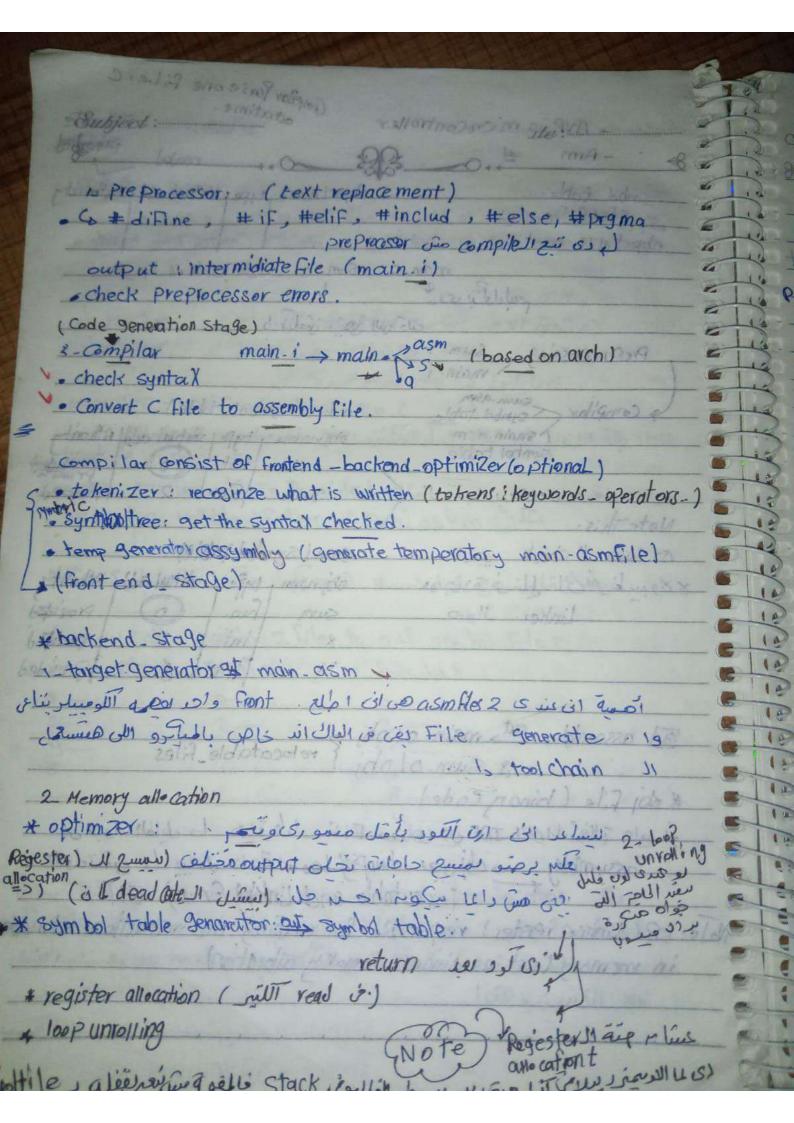
Subject : * we need variable/object to be provided one needed whatever * (di di coxtem = isti obj sulli is static = obj cis نفس الاسم والاتا تاب كما عيمنون الرور و طلع ليعيد عن ال nim ا دون ال static مينونين اشارلما غرني الفايل اللي انا موجودة فيه static de obj due moin carp is a du la generate to symbol table. * object - Provided (910bal) Ly needed (extern) Lo Not needed nor provided (static) - memory sections. Flash SRaM. oooo -vect (vector table) -data subbalvarinti - +X+ (My Code) startupal news je die tinian by sed sed · rodata (read only) (const global @) stack & Deal you · data (intialized) Global variables & Functions arguments -bss global variables (uninitialized) heap dynamic memory سمال فند اله bytes لك الفارسان اللي عش صغرفة objects. ويستلت فله انسترلش بالعدد ويروح لعدكما يودر مساحتهم الحقيقية في ال Ram istack الم int an [100] = \$1,2,00. 3 dil 05/21/20 lus is idid of 1 SRam el de sos civilis data co eso cin byte 400 00 My intialized and global various Ell stemble of the last of rejected it shill some thems 660 Lowis with



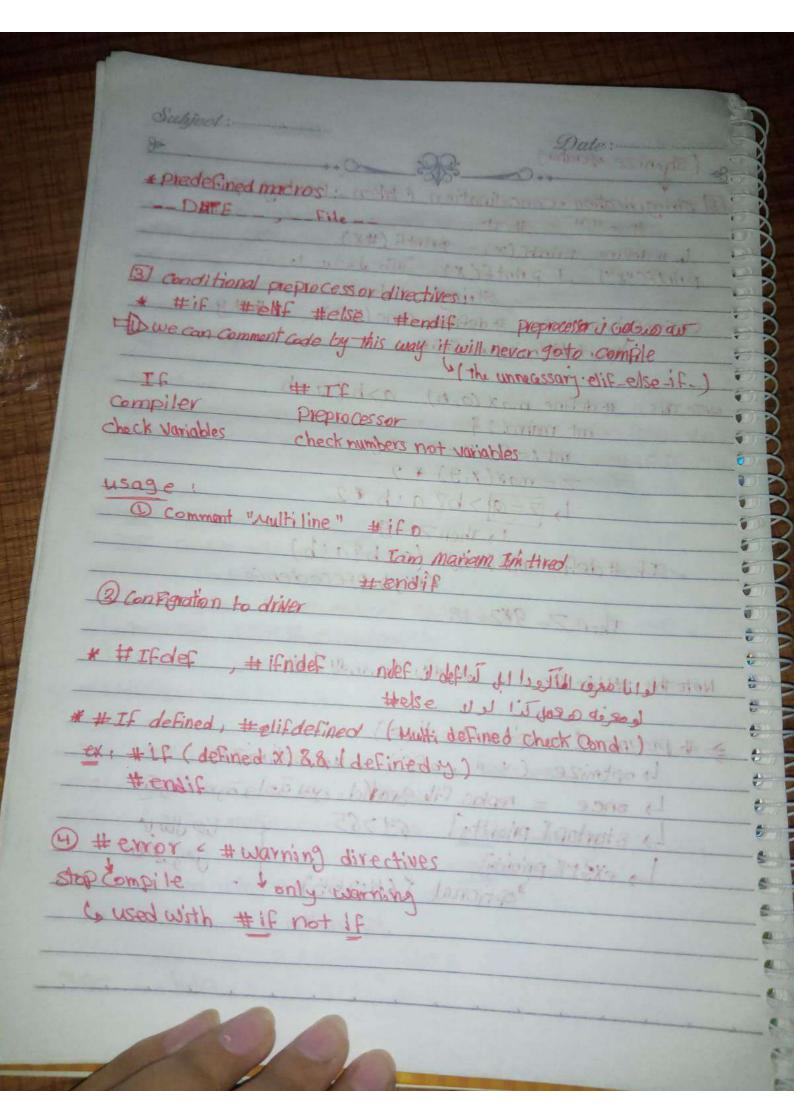
Subject: @ linker _ locator by main o + sum o = hex file or elifor spec or catt object vertication : is provided a) To needed, dito i function I paul main intalization in TI & II justino linker ervor Low cino intialize var. Jak مى عالين مضلفن ليفس السوحلين. error disc: undifined refrence to (بعنى انا ملفتش الفارييل أوالفلكين دى فى ولا منل سد اللى عد لعم include in project. . every provided obj is Provided once error disc: Multiple difintion of (Sum) as fun. The 6 How linker combine 2 files to out one has File? main-obj sum. obj = File.hex 1 1 1 0 1 1 131 cartation 19 7 لازع rotator دول الدستركسيز من الدمالم العبع فعلى حوا الراكاذ Hate in est not, complet finker script sino actual To a sino actual of the world عدم بداية و في من ما من الله على من بداية ولا بداية على مع الله ولا بداية

as Sum I! check wall موجودة في خالج ناى نير المسرولالا Sum | Symbol table) trianthy the lasting Linker 1100 Janiste ? 31 assembler out main olobis 1 amolo & Sum. olobj Frelocatable files * stoj File (binan code) ن دوا الفال دا حل كرا ١٤ معناها الن IDE الله الله على أو assymbly sobject dumping Low aob Joe b constored to constant EIF When IR (Linter rigster) responsible for Guting the instruction storage. in memory (act as dinamic memory albeation) & reaster alteration (will read in) stillow Partie



Haw to write Gode & From scratch without id [?] . Tool chain (types, diffusion, duilling process · make sile - Linker script - startup code · Booting sequence - Boot booker - monory layout Ern Junis (toad I runtime Location) - 3db debugger (commands - curcuit) * tool chain La preprocessor + assymbler + linker + debugger + Libraries (cross com.) 6 + helper programmes (Brown utilities "obj copy objdump readel F) L types 11) Notive in Pc output runs on Polisie (3) CYOSS Compile code in fc Runs output in touget (AVR. ARM) systems , Cin tool chain Dila to rive Ly Ruild system (source ende of toolchain) > >> 10 Ly host sys. (GCC Exposs Compilar) Is target (out filerout) * CMD acc (19) xxx tantians -acc main.c , a.exe gcc main c = main exe - main exe - 9cc main-c 1 -II - (Bath) gcc wall main-c > enable warning gcc - werr main-c - enable errors * Pass options using file La gecomain e @ options Al 900 -- help

(Strinize operator) Dale: ++0 28 -0++ 5 stringification concatination (taken Pasiting operator): #="" ## 6 # define printf(x) printf(#x) printf("x") I printf(x) "Lico Jose to String I Voor to the land of Concatination is # define Conc (X; y) - X## y *port driver i & riching Tile 14022 Della with Note This + define max (a, b) a>b?a >b int main () } int 15 9/18 571 Z good bad show Z = max(x,y) * 2 1, 7=9>b? a1b #2 Ly Then Z = 'g " and Max" + common If # define max (a,b) (a>b?a:b) Lyigh precedence Then Z= 9#2=18 Note this #Line 20 11, 20 as lowell bull best a swill be a state > # program (comprior directive) Loptimize (" ", off) " No optimize: Ly once = replace file grand un golg aya is gui" Ly startup [priority] 64765 } Wolfing exst Priority (optional [64:255) Il toxy Il the Atila hours



	The second secon
8	
	Subject:
MI S	Date:
1	B. 1. 1. 2 3 5 - 0 11 8
	Downat is The difference Between typedef I macro
2	the Oction of the Contract of
	Di Da Proport
1	used with types used with values
223	· Limited to give . # define Pty Struct Stud *
W &	pty X, 400 Stay upt variable
WE -	Tales (Tales) And Andrew (Tales)
	The bear small that a pty 9
	THE MAN TIME DOING
-	tion type struct study
	and at morning to and knowled hart properly attended to the
5 6	- runction like macro (forameterized macro)
2 3	(B) # define add (x,y) x+y / + d+x
	Ly Note this what If I do #define add (x,y) xty
	If I had int Z = add (8,4)
	replacement of (N. 1) (1) (1)
-	* increase code 570 which offer to the start of the start
3 0	* increase Code size which affect memory size and no type veturn
	heck but time (speed)
3	Lo in embedded we use macro in File Bit-HATA. h
	mi tapia of ger 14 . with many than the
5 3	() means anything else
	(VA-ARGS)) = U (m) vito ao o vi vi dan
	(28) # define mariam() Printf(MA AROS -)
	THE PROPERTY OF THE PROPERTY O
	int main () } VA
9	"troll of suit Manam! Helloworld his all and
9	all Cheek report & white a core report with a
अप्य ।	define Pan (a, in) Printf(_VA-ARGS)
3	
2	main() §
9	Fun (x, " x = 90 d"); == Printf ("x=10 d", x)
*	7

