

-Two Complementary Approaches · Abstraction - diagnose, affichably ze , break - down. - decompose into chunks · eliminate un nuded details. · Hierarchy - Chass hierarchy. Parent, chito class crasses one related too each other.
- Object hierarchy · collaborations through patterns of interaction. Designing · Start to plan logically · must be a well constructed system. · good performance and usage. · restrictions (factors: length time) · Simple internal structure, - Architecture. Lecture 3- 1/13/17 Declaration & Defenition · Introducing some sort of scope (variable, vame, function) - doesn't really define it. - ; a global - Scope: within curly bradeets

Bitwise Operations

be able to print as binary

## BARRELO

-aut - CHII, determines type

- if variable is defice, its type can't be changes throught the double.

## Static variables

-variable that is available to all scopes of the program. · initiatised once.

## Allocation & Handing

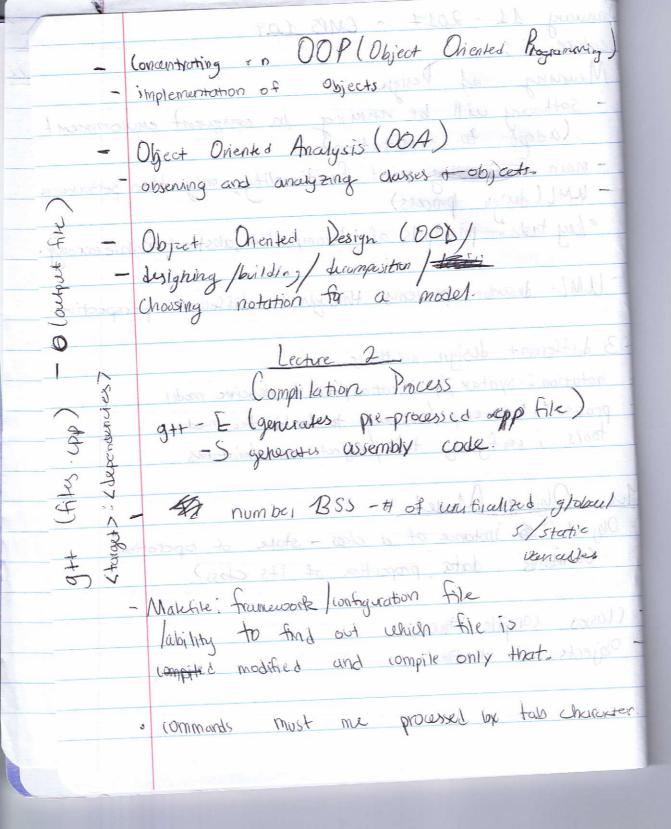
- allocating in heap (mainly pointer)

-malloc- function takes size bytes and allocates in the heap, if can, returns value, if het, returns nothing.

- calloc - memset / initializes to zero.

-valloc-allgud on a page boundary

Junuary 11 - 2017 - CMPS 109 Lecture 1 ; · Meaning of Design - softwary will be anning in consquent environment (adopt to limitation). - main fortionality only then pertormance - LML (design process) ley tasks: principals of decomposition, abstraction, hierarchy. - UMZ- describe problems through a different perspective. -3 different design methods - notation: syntax /specification/tool to describe mode. - process: develop/construct to bild the mode 1: tools : configured tools / neglect enors/mistakes. the Object Model - 28 · Objects: Instance of a day - state of operations (contains data, properties of its class). - Classes compile time - Objects are nutin



Command make looks for "GNU make " makefile"	"Makable"
	MARCHIC
tools gtt - compiler	
1 d - linker	
Objohn - de-assemble, extract into from of	s' files.
nasm - assembly comprer	
Valgrind - memory leaks	
Valgnind - memory leaks gdb - debegger	
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