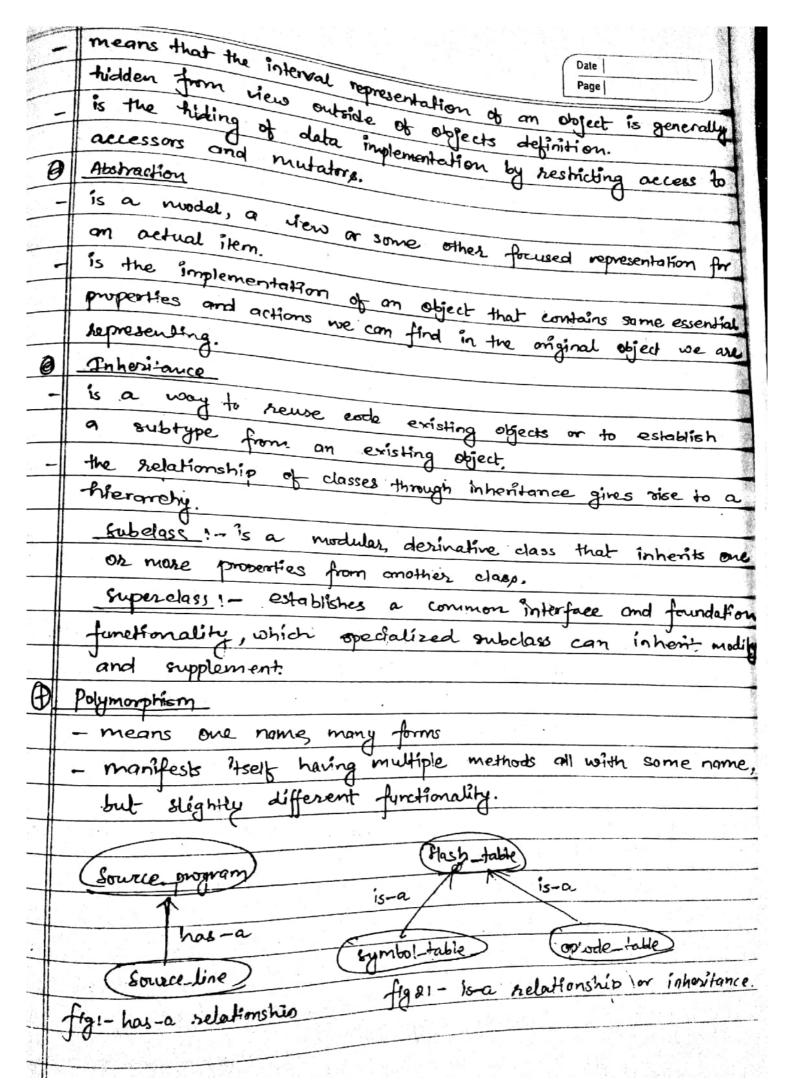
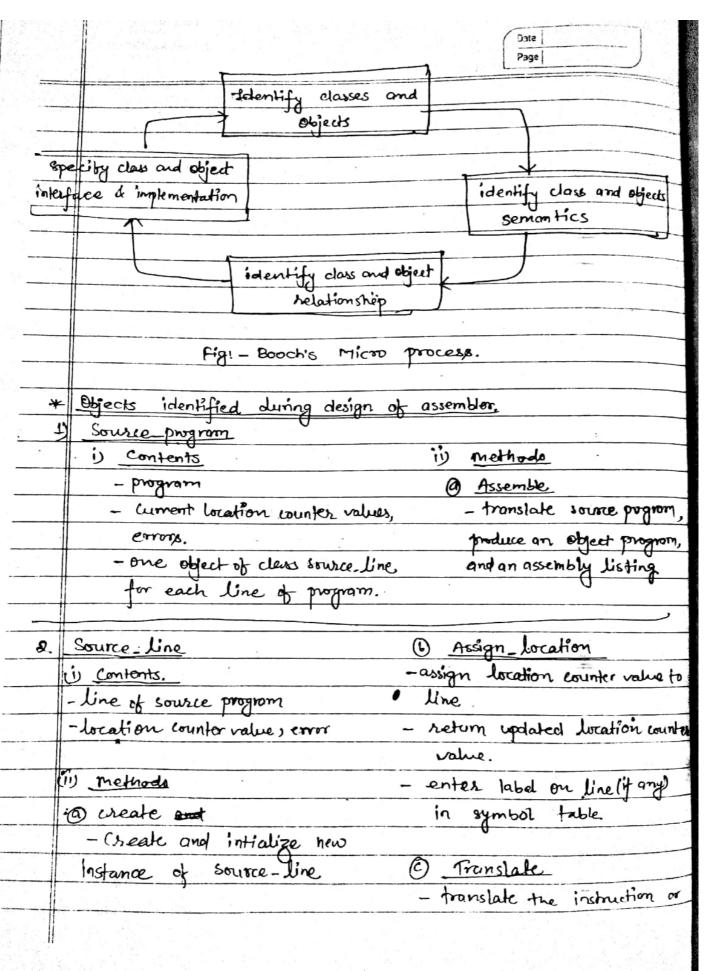
	Oate
	chapter 6:- Object oriented System Design. Page
	Focus on the objects handled by the system, rather than
	algorithms.
→	
	objects not as collection of procedures.
	principles of object programming.
<u> </u>	Object
	- is a basic unit of cop.
	- is a component of a program that knows how to perform
certain	contain actions and how to perform certain actions
	interact with other elements of the program.
	- Contains some data and defines a set of operations or
	that data that can be invoked by other parts of program.
. €9!-	
0	there, set of operation or methods one like
	Privert_symbol and lookup_symbol
	its data would be contents of hash table used to store
	symbols and their addresses.
(b)	Class
	- is a blue print or template or set of instructions to build a
	specific type of object:
	- defines the instance variables and methods of an obje
	- an instance is a specific object from specific dass.
	- many abjects can the amounted them are the
601	for an assembler to trade from some class.
— 8 11	for an assembler to translate programs for different ver
	of machine, class could be opcode_table.
	from this class, object could be created to defi
	instruction set for machine
	Encapsulation



100	Data										
	Page										
->	Hash-table is base class										
->	other two are subclasses.										
->>	it insert_item and search_item are methods of basechs										
	then other subclasses automatically contains definition of methods										
	(Searchable_data_structure),										
	16-a										
no makanda w mc es	is-a										
	(Binary-search-tree)										
	/is-a										
	6-0										
	Symbol-table (opcode-table)										
	Fig 3 polymorphism.										
	•										
->	here,										
	superclass searchable_data. Structure defines two methods										
	insert_item and search_for_item										
•											
	inherits and above methods.										
	implementation of the methods are different development										
4	Processes to micro tin macro										
	development makes process represents everall activities of										
	in these subclasses, but more names of methods and										
	why of invokation are some										
->	if Search-for-item method is Invoked as Instance of										
	symbol-table, it will result in retrival from hash table										
->	if same method is invoked on an instance of opcode table										
	it will tresult in binary search tree.										
->	This shows polymorphism.										
!!											

	Object oriented deplan of an assembled									
-)	Object oriented design of an assembled according to booch, two different developmentates processes is micro (is) macro Page									
->	Page									
	macro process semosent overall activities at									
	on a long pange scale.									
	THE KARLES AND THE MAN OUT (COMPOSTUDITED ION)									
	overall model of system behavior (4 mays in									
	and distinctive for the implementation (despin)									
	(evolutions)									
	(evolution)									
- 1	(maintage the continued evolution of a delivered system									
	(maintenance)									
->	this macro process repeats itself after each release of									
- >	Similar to natesfall model.									
->	Booch's Micro process elements represents daily activities									
1-	of system developen.									
	i) and Identify the class and objects of system.									
	i) Deal Identify the class and objects of system. i) Establish the behaviour and other attributes of the									
	classes and objects.									
	iii) analyze the relationship among the classes and obj									
	in specify the implementation of classes and objects.									
٠,	in it is specify the implementation of closses and objects. There activities may be repeated as needed we increasing level of details.									
	increasing level of details.									
	telization Analysis Design									
Concep	Analysis Design									
	Maintenance & Evolution &									
	Maintenance & Evolution &									
	Fig:- Broch's Macro process.									
+	<u>이 보고 있는 것이 되었다. 그런 것이 되었다. 그는 것이 되었다면 되었다. 그는 것이 되었다면 되었다. 그는 것이 되었다면 되었다. 그는 것이 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면</u>									

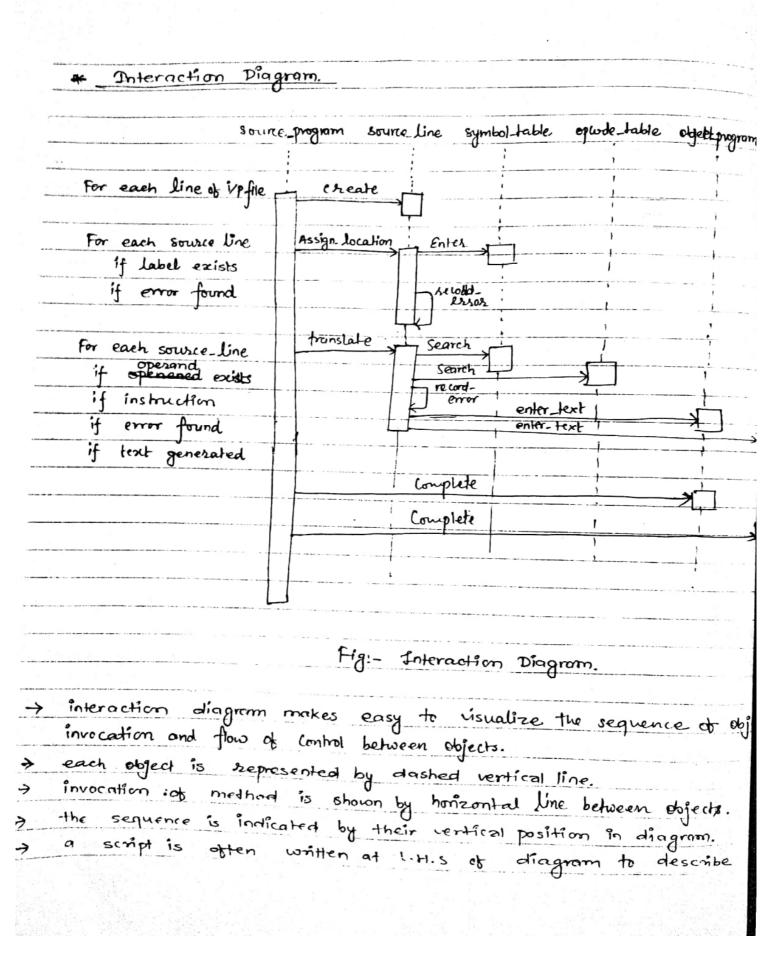


	Date Page								
	data definition on the								
	line into machin language.								
	- make entries in object program								
	k assembly listing.								
- 1	D Record_errors								
	- record error detected.								
3.	Symbol-table								
	i <u>Contents</u>								
	- labels defined in src program with its location center value.								
	(1) methodo								
	@ Error								
	- enter a label and location counter value into table.								
	- return errors if label is already defined.								
	(b) Search								
6.	- Search table for specified label.								
	- Search table for specified label. - return location counter value of label or error it								
	label is not defined.								
4.	opcode_table_								
	i Contents								
	- mnemonic instruction								
	- includes machine instruction format and lode.								
	J								
	iv Methods								
	a search:-								
	- Search table for specified mnemone instruction								
	- return information about instruction format and operand								
	required.								



- return error it mnemonic instruction not defined
5. Object - program
9 Content
- object program after assembly
machine language translation of instruction and all
program.
- includes program length.
(i) Methods
@ Enter_text
- enter machine language translation of an instruction or a
by order
6 Complete.
- enter program length and complete generation of external program file.
program file.
S. Assembly_listing
i) Contents
- listing of lines of source purposent and
-listing of lines of source program and corresponding made language premstation.
- includes errors for each line a summony of errors in pr
(") methodi
@ Enter_line
- Enter source line the corresponding
translation and description of machine language
- Enter source-line, the corresponding machine language translation and description of errors detected for the into assembly listing.
1 Complete.
- Enter summary of errors detected and complete the gen
경기 의 - 연구가 있는 것들은 이 경기를 보고 있는 것이 없는 것은 것이 되는 것을 모시하다고 있다.

external assembly listing file. methods that are invoked by each object. egl- source-program object invokes method and translate on dource_Une object. Complete Complete Assembly listing enter_line Source_ Line Object program Symbol-table opcode_table Fig:- Object diagrom Object d'agram indicate the class of Object.



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