ŧ.	
*	(iii) rostruction format
7	(a) Register to register
	The first and second operand is present
	in the register
	(b) Régister to memory
	Here the first approand is in the register and the
	other one is in the memory.
	(C) Immediate instruction
-	Data uperands are specified in the opcode of
4	the instruction itself famer than in a memory
	or register.
3	House and the same of the same
1	(d) Call or jump instructions
-	for these instructions, the operand is specified
	as a memory address which is used to transfer
-	program control to a different part of the
	program.
	civ) Assembly language of 8088
-	
	1. Statement format
	[Label:] oprode operard (s); comment string
-	
4	2- Assembler directives

(a) Declaration of constants Declaration, and reservation of storage 13 attained in the same way 091-A DB 25 ; Reserve byte and initialize B DW ? Reserve word, no initialization (b) Fau It is used to make program more readable Where ver asymbol is defined using EQU statement no memory would be allocated runly entry 13 made to the symbol table 08. Explain in detail flow chart of single pass assembler · first we initialize the literal and symbol table. Symbol table stores the labels and symbols used in the program. Literal table stores the value of literals used in the program. . Then each line of source code is parsed to identity operate, operands and labels or symbols · It we the line contains any labels or symbls bitis added to the symbol table with corresponding memory address. . If a line contains literal, it is added to the literral table and a machine code instruction is generaled to initialize memory Location with literal's value.

FOR EDUCATIONAL USE

The assembler than generates expersives machines code for each instruction using the opende and eferands. It the instruction references a symbol or tabely the assembler replaces the symbol with corresponding memory address.

· The generated machine cod is witput to an object file that can be loaded and executed.

