(8085) If the Conterns of A=37H and B=57H Determine the status of flog siegisted if ADD B Instruction is executed ? A= 0011 0111 Ans: ADD B $\rightarrow A \in (A) + (B)$ W3B of search B= 0101 0111 1000 1110 AC = O = 3182 the8. CY = 0 AC flog * Posity flag of 8085

P=1 when even no of 18 are more in security S=1 CA though Auxiliary flag
= the cassy
generated from
lower 4 bit to
Upper Libit. P = 1 cosad good P=0 when odd no of 12 value produced Good rope in or * Sign flog of 8085 S= MSB value of snesult Sopusocation of * Zero frag of 8085 Z=1 if a Jesut =0 is produced Z=0 if a non-zero besurt is produced @ How many instructions are there in 8085 instruction set? Ans: 74 Instauctions Q What do you mean by a thi-state device? Device having 3 stores . O, 1, high impedance. high impedance -> is the state when the device is disconnected means no current flows they are it. Ycc Et BY Khigh impedance. Device. What is an Assembles? Q Assembles is a program (software) which convents assembly language pergram to machine language pergram. Ans -> Mnemonics
ose english list
Instanctions

ASSEMBLER andersood ph hp Assembly bodg. por vou 605 à ls not understood an debug hun by any HP we waite in pangarammen. assembly has us to make using geoding & debugging easy. Q What is the difference between operand and operates? Opcode -> means operational code.
Which tells the µp owhat operation is to be performed. operand -> is me data on which me operation has to be performed. For eg: MOV A, B MON is obcode -> which rells the Up to be form data teansfee form source to 9634:004:00 are full are clust about \leftarrow broads of B_cA 8 series on it is onto some destination data is in segister A Q: HOW The HP WOORR? The Up performs: Ans: 1 Fetch
2 Decode 3 Execute Fetch data and instructions from memory

Decade the fetahed instructions.

Execute the instruction based on decading.