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POA EXPERIMENT 10

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13	Experiment 10: Interrupts
	din: Implement assembly program to demonstrate few pos intersupts:
	Theory: 1. In 8086 microprocessor, interrupts are event that cause normal sequence of program execution to be temporarily talted so that specific set of instauctions (Instauction Service Roadine) can be executed The 'THT' instauction is used to generate interrupts.
	Few Common interrupts in 8086: a) INT 2M: DOS function call. It is a software interrupt to invoke Various DOS services. b) INT DH: Video Services. It is used for vidro related services duch as displaying characters on screen c) INT 16H: Keyboard services used for keyboard related services, like reading a character from keyboard. 1) INT 4CH: Program termination used to terminate a program & cretwar control to OS.
3.	The Interrupt vector table in 8086 contains addresses pointing
4.	When interrupts occurs processor looks up corresponding address in INT & jumps to associated routine.
5.	The routine is responsible for trandling specific interrupt & returning control to main program.
(Sundarati)	FOR EDUCATIONAL USE

	Conclusion: Hence, we have implemented various DOS interrupts on 8086 processor & understood how interrupt works in 8086.
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Code:

org 100h

DATA SEGMENT

MSG DB "Enter any Character: \$"

DATA ENDS

CODE SEGMENT

START:

MOV AX,DATA

MOV DS,AX

LEA DX,MSG

MOV AH,09H

INT 21H

MOV AH,01

INT 21H

MOV DL,AL

MOV AH,02

INT 21H

MOV AH,4CH INT 21H CODE ENDS END START

ret

Output:





