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INT 21H (DOS Interrupt)
Important for College Practicals and Viva

1) DOS provides **various internal interrupts** which are used by the system programmer.
The **most commonly used** interrupt is **INT 21H**. #For doubts contact Bharat Sir on 98204 08217
2) It **invokes inbuilt DOS functions** which can be used to perform tasks such as reading a user input char from the screen, displaying result on the screen, exiting the program etc.
3) While calling the INT21H Dos interrupt, we must **first assign a correct value in AH** register.
4) The value in the AH register **selects the INT 21H function** which is required by the user.
5) The most commonly used INT 21H functions are as shown:

Task	Method	Comment
How to **input** a **character** from the screen	**Mov AH, 01H** **INT 21H**	Takes the user input character from the screen. Returns the ASCII value of the character in AL register. If AL=0, then a control key was pressed.
How to **input** a **string** from the screen	**Mov AH, 0AH** **LEA DX, string** **INT 21H**	0AH is the parameter for the input string function. The string will be stored from the offset address given by DX.
How to **display** a **character** on the screen	**Mov AH, 02H** **Mov DL, char** **INT 21H**	02H is the parameter for the display char function. DL should contain the char to be displayed.
How to **display** a **string** on the screen	**Mov AH, 09H** **LEA DX, string** **INT 21H**	09H is the parameter for the display string function. DX should contain the offset address of the output string.
How to **terminate** the program	**Mov AH, 4CH** **Mov AL, 00H** **INT 21H**	4CH is the parameter for the terminate function. The return code is placed by the system in AL register. If AL is 00h then the program terminated without an error.