Assignment no-13



Title - Write a Terminate but Stay Resident (ISR)
program to generate the pattern of the
frequency tones by reading the Real Time dock (RT)

Problem Statement - Write a ISR program to generate the pattern of the frequency tones by reading the Real Time Clock (RTC)

Objective - To understand Terminate but stay Resident program.

Dutcome - students will study Terminate but stay program to display Real Time clack.

Theory-

Structure of Program is TASM

· MODEL SMALL

· STACK 50h

· DATA or Data segment

· CODE or code segment

START:

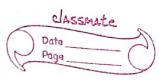
Your code goes here

MOV 07,400H

int 21H

END START

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	Possible MODELS are:
_	TTAIN : code and Data must six :-
_O -	TINY: code and Data must fit in some 64k segment. Both code and Data are NEAR.
	SMALL: Code and Data have separate segment, but must be each less than 64k Both code and Data are
	NEAR. For most applications, this is sufficient.
<u></u> <u> </u>	MEDIUM: Code may be larger than 64k, but Data has to be less than 64k. Code is FAR, Data is NEAR.
	COMPACT: Code is less than 64k, but Data may be greater than 64k code is NEVER, Data is FAR.
<u>(6)</u>	LARGE: Both code and Dota can be greater than 64k. Both are FAR, but a single array cannot be greater than 64k.
<u>©</u>	HUGE: Same as large, but arrays can be greater than
	Terminate and stay Resident (TSR) generally refers to a special class of programs for PC - compatible computes running Das.
	When a user exists a normal program rynning in pos, the memory that the program used is usually freed for other programs and take, therefore the program must be reloaded from a

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disk back into memory for it to be used again. When you run a ISR program, however, it loads itself into the computer's memory and remains there for later use. You may run other program while the ISR is still alive in the memory, and these programs may invoke the memory, and these programs may invoke the ISR or be affected by the behaviour of the ISR program may give program for this reason, ISR program may give post the appearance of multitasking which is built into many other operating system.

You may use ISR programs for a wide variety of tasks. Some of these programs are ative only when you press a hot key. An example would be a pop-up calculator program that appears on the screen. When you press Alt + shift + c, even from within a separate word processing program other ISR programs run continuously in the background and may normally be invisible. Example of such programs that monitor are same network and communication programs and special virus scapner programs that monitor the use of computer's memory and distance of the ways.

The program may be quite complex, are after difficult to program reliably. TSR programmer must make sure that their programs do not conflict with other programs active in computer's memory

Classmate Data Paga
Conclusion - He have successfully implemented
Terminate but Stay Resident (TSR) program and
generated pattern of the frequency tones by
reading the Real Time clock (RTC)