Assignment No. 12

Title :- TSR program for a clock key-logger

Problem statement :-
write a terminate but stay Resident program
for clock. key logger. The key presses during
the stipulated time need to be displayed
at center of the screen.

Objective :-

To understand terminate & stay resident
program.

Outcome :-
Student will study terminate but stay resident
program.

s/w & h/w Packages :-

processor - Core 2 dual i3 / i5 / i7

OS - linux 32 bit / 64 bit
s/w - key-logger
assembler - NASM
debugger - gdB

Theory:

- Terminate & Stay Resident (TSR) generally refers to special class of programs for PC - comparable computer DOS.

- When a user exist a normal program running in DOS, the memory that the program used is usually freed for other programs & tasks; therefore, the program must be reloaded from the disk back into memory for it to be used again when you run TSR program. however, it loads itself into the computer's memory & remain there for later use. you may run other programs while TSR is still alive in memory.

- TSR may be quite complex & are often difficult to program reliably TSR programmer must make sure that their program do not conflict with other program that are also active

- When installing TSR programs, it is good idea to install them at a time & make sure that other program such as word processor & spread sheets are behaving normally despite the presence of TSR.

normally despite the presence of ISR

- **Key - logger :**

    key-logger is type of surveillance s/w that
    has capability to record every keystroke you mak
    to x log file, usually encompleted. A key-logger
    recorder can record instead instant message
    email & any information you tape at any
    time using your keyboard. the log file
    created by the key-logger can then be sent
    to a specified receiver.

Algorithm

1) start

2) For Jump to translent portion of the
    memory.

3) Clear If

4) get vector address

5) Save the vector address

6) set new vector address

7) make program resident

8) Stop

Conclusion :

From this assignment are successfully implemented TSR program for a key - logger ~~clock~~