Experiment No 9

Objective:

Write a menu driven mixed language code to increment, decrement the size of cursor and disable the cursor.

Prerequisite:

Turbo C Compiler

Description:

To <u>increment/ decrement the size of cursor</u>, **INT 10H** interrupt functions are used. These functions are called using **CH** and **CL** register as parameters. Where

CH =Minimum value of cursor (00h)

CL=Maximum limit of cursor (count)

01h function of **INT 10H** interrupt is used to <u>increment and decrement the size of cursor</u>. <u>To increment cursor size, count value gets incremented</u> and moved to CL register and <u>to decrement cursor size, count value gets decremented</u> and moved to CL register.

To <u>disable the cursor</u>, **CL must be loaded with 20h** and then call 01h function of INT 10h DOS interrupt.

Algorithm:

1. Start

2. Declare count value as char type

3. If choice =1 then goto step no 4 else goto step no 10

4. Check count >=4 then goto step no 5 else step no 6

5. Display the msg as "Reached maxium limit"

6. Increment count value by 1

7. Move count value to CL and move 00h to CH register.

8. Move 01h to AH register

9. Call function INT 10H DOS interrupt.

10.   If choice =2 then goto step no. 11 else goto step no 17

11.   Check count <=0 then goto step no 12 else goto step no 13

12.   Display the message as "Reached minimum limit"

13.   Decrement count by 1

14.   Move count value to CL and move 00h to CH register.

15.   Move 01h to AH register

16.   Call function INT 10h DOS interrupt

17.   If choice =3 then goto step no 18 else goto step no 21

18.   Move 20h to CH register

19.   Move 01h to AH register

20.   Call function INT 10h interrupt.

21.   Stop