**Q. Write a Terminate but Stay Resident (TSR) program.**

**CODE:**

**DIV:**

DATA SEGMENT

A DB 28H

B DB 00H

C DW ?

DATA ENDS

CODE SEGMENT

ASSUME CS:CODE , DS:DATA

START:

MOV AX,DATA

MOV DS,AX

MOV AX,0000H

MOV BX,0000H

MOV AL,A

MOV BL,B

DIV B

MOV C,AX

INT 3

CODE ENDS

END START

**TSR:**

CODE SEGMENT

ASSUME CS:CODE,DS:CODE

JMP START

MSG DB 10,13,'SORRY DIVIDE BY ZERO $'

ISR:

MOV AX,CODE

MOV DS,AX

LEA DX,MSG

MOV AH,09H

INT 21H

START:

MOV AX,CODE

MOV DS,AX

MOV AH,25H

LEA DX,ISR

MOV AL,00H

INT 21H

MOV AH,31H

LEA DX,START

MOV AL,00H

INT 21H

MOV AH,4CH

INT 21H

CODE ENDS

END START

**OUTPUT:**

****