RS EQU P2.7

RQ EQU P2.6

E EQU P2.5

ORG 00H

SETB P3.5

MOV TMOD,#00000001B

MAIN:ACALL DINT

ACALL TEXT1

JB P3.5,NEXT

ACALL LINE2

ACALL TEXT2

CLR P2.0

SJMP EXIT

NEXT:ACALL LINE2

ACALL TEXT3

SETB P2.0

EXIT:ACALL DELAY1

SJMP MAIN

DELAY1:MOV R0,#15D

BACK1: MOV TH0,#00000000B

MOV TL0,#00000000B

SETB TR0

HERE2: JNB TF0,HERE2

CLR TR0

CLR TF0

DJNZ R0,BACK1

RET

TEXT1: MOV A,#"M"

ACALL DISPLAY

MOV A,#"o"

ACALL DISPLAY

MOV A,#"i"

ACALL DISPLAY

MOV A,#"s"

ACALL DISPLAY

MOV A,#"t"

ACALL DISPLAY

MOV A,#"u"

ACALL DISPLAY

MOV A,#"r"

ACALL DISPLAY

MOV A,#"e"

ACALL DISPLAY

MOV A,#" "

ACALL DISPLAY

MOV A,#"C"

ACALL DISPLAY

MOV A,#"o"

ACALL DISPLAY

MOV A,#"n"

ACALL DISPLAY

MOV A,#"t"

ACALL DISPLAY

MOV A,#"r"

ACALL DISPLAY

MOV A,#"o"

ACALL DISPLAY

MOV A,#"l"

ACALL DISPLAY

RET

TEXT2: MOV A,#"["

ACALL DISPLAY

MOV A,#"0"

ACALL DISPLAY

MOV A,#"K"

ACALL DISPLAY

MOV A,#"]"

ACALL DISPLAY

MOV A,#" "

ACALL DISPLAY

MOV A,#"P"

ACALL DISPLAY

MOV A,#"u"

ACALL DISPLAY

MOV A,#"m"

ACALL DISPLAY

MOV A,#"p"

ACALL DISPLAY

MOV A,#" "

ACALL DISPLAY

MOV A,#"0"

ACALL DISPLAY

MOV A,#"F"

ACALL DISPLAY

MOV A,#"F"

ACALL DISPLAY

RET

TEXT3: MOV A,#"["

ACALL DISPLAY

MOV A,#"L"

ACALL DISPLAY

MOV A,#"o"

ACALL DISPLAY

MOV A,#"w"

ACALL DISPLAY

MOV A,#"]"

ACALL DISPLAY

MOV A,#" "

ACALL DISPLAY

MOV A,#"P"

ACALL DISPLAY

MOV A,#"u"

ACALL DISPLAY

MOV A,#"m"

ACALL DISPLAY

MOV A,#"p"

ACALL DISPLAY

MOV A,#" "

ACALL DISPLAY

MOV A,#"0"

ACALL DISPLAY

MOV A,#"N"

ACALL DISPLAY

RET

DINT:MOV A,#0CH

ACALL CMD

MOV A,#01H

ACALL CMD

MOV A,#06H

ACALL CMD

MOV A,#80H

ACALL CMD

MOV A,#3CH

ACALL CMD

RET

LINE2:MOV A,#0C0H

ACALL CMD

RET

CMD: MOV P0,A

CLR RS

CLR WR

SETB E

CLR E

ACALL DISPLAY

RET

DISPLAY:MOV P0,A

SETB RS

CLR WR

SETB E

CLR E

ACALL DISPLAY

RET

DELAY: CLR E

CLR RS

SETB WR

MOV P0,#0FFH

SETB E

MOV A,P0

JB ACC.7,DELAY

CLR E

CLR WR

RET

END