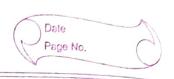
14/12/20 Microcontroller Program - 1 Write a program to rotate Stepper motor. in clock wise direction Q # include 2 stdio. h> # include < conio. h> # include < reg 51.h > Char x data_port_at_ 0x e803; Char adata porta-at-oxelos char fidata acc-at 0x e30; void delay for (int • i=0; i < 800; i++) void main () Port = 0x 800; while (1) porta = acc acc = 0×44; port a = acc.

de Cay ();



ace = 0x44; porta = acc

> port = acc; delay ();

Derive a stepper motor Interface to no to the motor in Anti-clockwise direction

include & Stolio. h>

include < reg 51. h>
char x data a port - at - ox 803

char x data port-at_oxe800; char idata ace_at_ox80

for (j=0; j2800; j++)

= 80×80

Configure all ports

as appound put port

while (1)

(

acc = 0×11;

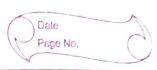
porta = acc;

delay ();

acc= 0x22'
porta = acc;
delay ();

acc = 0x44; porta = acc; delay();

 $acc = 0 \times 88$; port a = acc; delay(); delay()



Program - 3 Microcontroller To display Banglore in rolling fashon #include < stdio. h> # include < stdlib. h > char x data-at oxe 803 char x data port 6-at-oxe801; char x data port c-at-oxe802; void delay () for (int 1=0; 1 < 4000; 1++) void main () int (=0; m unsigned char k, m; for (int d=0; d<1; d++) for (int b=13; b>0; b--) K= K 4 0 X80;

if (k = E 0)

port B = 0×000;

else

port C = 0×01;

port 'C = 0×00;

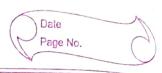
k = m

k c C = 1

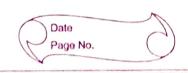
}

delay ()

} white (1)



Program - 4 Microcontroller fire! 4 Help #include < Stdio.h> # include < reg 51.5> Char adata CommV_at_ 0xe803; chay x data ports at = 0 x eso; chan port $(20) = (0 \times 80, 0 \times 19), 0 \times 10, 0$ for (i=0; i< \$600; i+t) llusing band c 1 =0;



frogram 5 Mic vo controller

Program to demo the elevator interface

Hindude estdio. h>

include c reg 51.6>
unsigned char x data Command Word- atox es a

6x 6805

unsigned char & data Port A-at-oxe 800; unsigned char & data port B-at-ox 801; unsigned char & data present floor, suguested

Stex=oxfo.

unsigned long a douta count;

for Lount = 0; count 2= 4500; count ++)

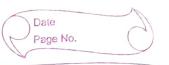
Stef = slef & BOXOF

part A = step

slep = step loxfo

port A = step

Seas.



Go down () Switch (Requested Floor) case brod: while (step 20xf3) Step -- ;
port A - Step; while (step y oxf6) 0 x 0 b Corse Roset () or oe: while (step) or fo port A = step; Reset () return o;

Void main () Command word = 0x82; Port A = 0xfo; Present Floor = 0x Ge; Request Floor = Port B',

Requested floor = Requested Floor & OR of;

1 Se while (1) { else Present floor = Requested floor; Requested Floor = Port B;