

	Experiment No
Date :	
Aim: Program to interface st	robon rador
a the officer is a state of the	is an electromecrianical Certain
electrical power into mechan	ical power. Also it is synchronous electric motor
Program	Paris (20 0
MON TMOD, :1150;	Move P2.0;
SETB TRI;	MOV ACC D.C.
110V DPL, #LOW (LAD add)	Mov C, FO;
MOV DPH, # HIGH (LED Codes):	MOV O, C
CIR P3.4; 1 CIR P3.3; 1	CJNE A, 20H, ChangeDir:
again'	CLR P3.0, 1 PLR P3.1,1
CALL Scholrection;	CALL clear Times; MOV C, P2.D.
MOV A, TLI:	MOV FO.C. (PLC.
CINE A, # 10, ship:	MOV P3-1, C;
CALL clear Times;	Anish!
skip;	POP 20H;
MOVE A @ A+DPTR.	POP ACC
MOVE, Fo:	RET:
MOV AC(-7,C;	clear Times:
MOV P.A:	
JMP agains	CLRA, CLRTRI,
SET Direction!	MOV TLI, #O' SETB TRI;
Push Acc.	
PUSH 20H.	LED Codes:
CLA A.	DBIIDOCODOB, IIIIIODIB, IOLOGIOOB
MOV 20H, #0.	10000B 10010010B 100000100
	11111000B, 10000000B, 10010000B
	(P)

Aim: To simulate a basic elevator system using 8051 controller with				
IFD's described LED's represent different-floors. The elevator moves up are				
down between 4 floors and each floor is indicated by an LFD				
consisted to post!				
tandunce requirements: 8051 microcontroller, 4 LED's connected to port 1.0 to 1.3				
inflying requirement: Keiluvision 5, proties for graphical simulation;				
Working principle: Elevator starts at floor o'. Flevator moves				
upto the above floors P1.3 LED will on when elevator reaches				
top floor. It changes it direction downwards. Changing the direction				
of the elevator continues in infinite loop				
lode:				
#Include < Reg SI.h>				
void delay_ms (unsigned intms)				
2 unsigned inti,j.				
for (i=0; j=ms; i+7)				
for (j=0, j=1275, j+t)				
2				
main()				
E unsigned chase flows = 0.				
Eunsigned chartlows = 0. bit direction = 0.				
while (1)				
8 P1=0x00-				
PIZCFloor;				
delay_ms(1000)				
$\frac{\text{delay-ms(1000)}}{\text{if}(floor==3)}$				

P1: [0x04] 7 976 0
Pins: [0x04] 1 1 1 1 1 1

Mar 0'-
direction = 0;
1 &C +100 (== 0)
direction=1:
else if (direction)
floortt
A CONTRACTOR OF THE PARTY OF TH
else (direction)
floor;
<u> </u>
3

DAC output on scope

always on top []

Pale: LIGIES			
Alm: Program to	interface ADC (Analog to Digital Convextor)		
AR ORGO:	extoje		
	CLR P3+;		
	MOV PI,P);		
A SECURITY OF THE PARTY OF THE	SETB P3.7.		
MEANON COLOR	RETI		
JMP -Homen OJSR;			
ORG 30H			
main:			
SETO ITO;			
SET EXO:			
CIR POT:			
MONTHO, #-50;			
31			
MOV TLO, #-50;			
SETB TRO;			
SETB ETO;			
SETB FAY			
JMP \$;			
Homes OTOR: 1			
CLR P3.6;			
SETB P36;			
RETT.			
	5.		

Dale, Sigles				
Aim: Program to Interface LCD to display ABC				
Program ; put data in RAM	CLR PIA;	MOV 71.4, C:1		
MOU 30H, # A'	SETB P1-6;1	MOY C, ACC.6.		
MOV 31H, # 181	SETB PI.S: 1	MOU PI.G. C. 1		
MOV 32H, # 1C?	SETB PI.2:	MON C, ACC.4.1		
MOV 33H, #D;;;	CLR P1.2.1	MOU P1.4, C; 1		
CLR Pl.3; clear RS	CALL delay:	SETB Pl.2; 1		
CL12 P1.7; 1	CLR P1.7)	CLR P1.2:11		
CLR P1.6; 1	CLR P1.6:1	MOVIC, ACC.3:1		
SETB PI.5.1	CLR PI.S;	MOU P1.5, C; 1		
CLRPI.Y: 1 high nibbleset	CLR P1.4:1:	MOY C, ACC. 0:1		
SETB PI.2.1	SETR Pl.2:1	MOV Pl.4, C., 1		
CLR P1.2. 1 negative edge	SETB Pl. 7:1	SETB P1.2;1		
CALL delay: wait for BF	SETB Pl.6.1	CALL dolay;		
SETB PI-2: 1	SKTB PI.4; 1	dolay:		
CLR P1.2; 1	CLR P1.2,1	MOV RO, #50		
	CALL delay:	DJ N2 RO, S		
; StTBP1.2;	SETB Pl.3;	RET		
CLR P1.2; negative edge	MOV RI, #304,	1999 1997 1997		
CALL delay:				
(LR PIZ; 1	loop:	0.11.		
CLRP1.6;	MOV A (QR): 32-finish;			
CLR P1.5:1	INC RI, OMP lon	op;		
CLR PI. 4.1	Anish!			
SETB PIZ:1	JMPB	A.		
SETB PI.S.1	Send character?	3,1		
SETB PI. 2:1	MOVE, AC.7:			
DEIRINA	1			

