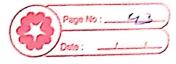
5/1/21



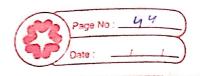
2) Program to demo the elevator interface # include < stdio b ? unsigned char x data Command Word at oxes unsigned char x data Port A at 0xe800; unsigned char X data Port B at 0 x e 801. unsigned when x data Resent loor, Requested floor, Step = 0 xfo; unsigned long xdata lount, i; Jor ( Count = 0; Count == 4500; (ount ++); Delay () { Reset () E Step = Step & OXOJ; Port A = Step; Step = Step 1 0 × jo; port A = Step; Croup () } switch (Requested Floor) & case oxod: while (Step < 0 13) } Port A = Step; Delay ();

Reset ();

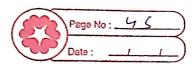
break;



case 0xob: while ( Step < 0x/6) } Port A = Step; Delay (); break; ease 0x07: while (Sty 60x 19) { Stof ++; Part A = Sty; Delay (); Reset (); bresk; Godown () { switch (Requested Floor) { van 6xod: while (Step > 0 x f3) { Step --; Bort A = Stef; Delay (); Resut (); bruk;



	case 0x0b: while (Step ? 0x f 6) {
	Step;
	PortA = Step;
	Delay ();
	3
	Reset ();
	break;
	reace 0 x 0 e: while ( Step > 0 x jo) {
	Stef;
	PortA = Step;
	Delay ();
	3
	Reset ();
	break;
	3
	3
	void main () {
	CommandWord = 0x87;
	PortA = 0×10;
	besent floor = 0 x 0 e;
	while (1) &
	Requested Floor = Port B;
#	Requested floor = Requested Floor & 0 ×0];
	if c Requested Floor! = 0 x 0   & & Legusted Floor! =
-	1 tun poor 1



1	
	if (Requested Floor = Present floor) { GoUf(); }
	else E
	CroDown (); 3
	Present Floor = Requested Floor;
	3
	Requisted floor = Port D;
	3
	74