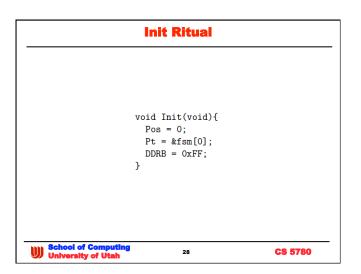
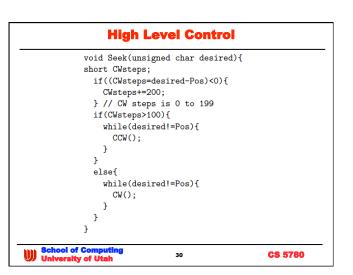


<b>Control Data Structures (FSM)</b>		
const struct Stat	e{	
unsigned char O	ut; // 01	utput
const struct St	ate *Next[2]; // C	W/CCW
};		
typedef struct St	ate StateType;	
typedef StateType	<pre>*StatePtr;</pre>	
#define clockwise	0 // Next :	index
#define countercl	ockwise 1 // Next :	index
StateType fsm[4]=	{	
{10,{&fsm[1],&fs	m[3]}},	
{ 9,{&fsm[2],&fs	m[0]}},	
{ 5,{&fsm[3],&fs	m[1]}},	
{ 6,{&fsm[0],&fs	m[2]}};	
	; // between 0 and	
StatePtr Pt;	// Current State	e
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<pre>void CW(void){</pre>		
<pre>Pt = Pt-&gt;Next[clockwise];</pre>	//	circular
PORTB = Pt->Out;	11	step motor
if(Pos==199){	//	shaft angle
Pos = 0;	11	reset
}else{		
Pos++;}}	11	CW
<pre>void CCW(void){</pre>		
Pt = Pt->Next[countercloc]	kwi	se];
PORTB = Pt->Out;	11	step motor
if(Pos==0){	11	shaft angle
Pos = 199;	11	reset
}else{		
Pos:}}	11	CCW



Concluding Remarks		
<ul> <li>Lots of types of electri <ul> <li>stepper &amp; DC are mosile</li> <li>Beware when driving in <ul></ul></li></ul></li></ul>	t common in inex nductive loads ontrolled ven more secure ide an introducti	Ion
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