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int main (void) //Example 7
{ unsigned int PORT_1, PORT_2;

setup_HW;
while (1)
{ PORT_1 = 1;
  PORT_2 = 0x8000;
  for (int m = 0; m <= 7; m++)
  { I2C_Tx_2_integers(PORT_1 | PORT_2,
    (PORT_1 << 8) | (PORT_2 >> 8));
    _delay_ms(60);
    PORT_1 = PORT_1 << 1;
    PORT_2 = PORT_2 >> 1;
  }} return 1;}
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int main (void) //Example 8
{ char digit[] = "01234567777654321000";
  char letter = 'a';
  char counter=0;
  int top = 1000;
  setup_HW;
  while(1){I2C_Tx_any_segment(letter,digit[counter]-'0');

for(int m = 0; m < top; m++)_delay_us(100);
if (counter < 7)letter = 'a';
if (counter == 7) letter = 'f';
if (counter == 8) letter = 'e';
if ((counter >= 9) && (counter <= 16)) letter = 'd';
if (counter == 17) letter = 'c';
if (counter == 18) letter = 'b';
if (counter == 19) letter = 'a';
counter = (counter + 1)%20;

if (switch_2_down) I2C_Tx_any_segment_clear_all();

if(counter == 19){if((switch_1_down)|| (top <= 50))break;
if(switch_3_down)top = top*2/3;}
}SW_reset;}
```