

```
int main (void)           //Example 1
{ unsigned int PORT_1;

  setup_HW;
  PORT_1 = 1;
  for (int m = 0; m <= 15; m++)
  { I2C_Tx_2_integers(PORT_1, PORT_1);
    Timer_T0_10mS_delay_x_m(12);
    PORT_1 = PORT_1 << 1;}
  SW_reset; }
```

```
int main (void) //Example 2
{ unsigned int PORT_1;

  setup_HW;
  wdt_enable(WDTO_30MS);
  PORT_1 = 1;
  for (int m = 0; m <= 15; m++)
  { I2C_Tx_2_integers(PORT_1, PORT_1);
    Timer_T0_10mS_delay_x_m(12);
    PORT_1 = PORT_1 << 1;}
  while(1); }
```

```
int main (void)           //Example 3
{ unsigned int PORT_1;

  setup_HW;
  wdt_enable(WDTO_30MS);
  PORT_1 = 1;
  for (int m = 0; m <= 15; m++)
  { I2C_Tx_2_integers
    (PORT_1 << m, PORT_1 << m);
    Timer_T0_10mS_delay_x_m(12);
  }
  for (int m = 14; m; m--)
  { I2C_Tx_2_integers
    (PORT_1 << m, PORT_1 << m);
    Timer_T0_10mS_delay_x_m(12);}
  while(1); }
```