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//  
// Exercise 11.1tx - http://tronixstuff.com/tutorials > Chapter 11  
// send signals to rx module to switch on and off three digital pins  
//  
// based on code by Mike McCauley 2010 http://www.open.com.au/mikem/arduino  
//  
//  
  
// Need these lines below //////////////////////////////////////  
#include <VirtualWire.h>  
#undef int  
#undef abs  
#undef double  
#undef float  
#undef round  
////////////////////////////////////  
  
const char *redoff = "a";          // to turn off the red LED, send "aa" down the wireless tube, etc.  
const char *redon = "b";  
const char *yellowoff = "c";  
const char *yellowon = "d";  
const char *greenoff = "e";  
const char *greenon = "f";  
  
void setup()  
{  
  // Initialise the IO and ISR  
  vw_set_ptt_inverted(true);      // Required for RF Link module  
  vw_setup(2400);                 // Bits per sec  
  vw_set_tx_pin(1);              // pin 1 is the TX pin on our Arduino Duemilanove  
}  
  
void loop()  
{  
  delay(1000);  
  vw_send((uint8_t *)redon, strlen(redon));  
  vw_wait_tx();                  // Wait for sending of message to finish.  
  delay(1000);  
  vw_send((uint8_t *)redoff, strlen(redoff));  
  vw_wait_tx();  
  delay(1000);  
  vw_send((uint8_t *)yellowon, strlen(yellowon));  
  vw_wait_tx();  
  delay(1000);  
  vw_send((uint8_t *)yellowoff, strlen(yellowoff));  
  vw_wait_tx();  
  delay(1000);  
  vw_send((uint8_t *)greenon, strlen(greenon));  
  vw_wait_tx();  
  delay(1000);  
  vw_send((uint8_t *)greenoff, strlen(greenoff));  
  vw_wait_tx();  
}
```