

/*

*/

Target MCU & clock speed: ATmega328P @ 1Mhz internal

Name : globals.c

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Description: Get system compile time & date and display on LCD 2*16

Button toggling to turn on or off the backlight of LCD

HEX size[Byte]:

Ref:

Donald Weiman (weimandn@alfredstate.edu)

<http://web.alfredstate.edu/weimandn/programming/lcd/ATmega328/>

LCD_code_gcc_4d.html

*/

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <avr/io.h>

#include <avr/pgmspace.h>

#include "defines.h"

uint8_t wd=0;

// New words

uint8_t words000[10][2][16] =

```
{
    { //0 "1234512345123456" "1234512345123456"
      "petrified",          "cause2bcmStnlike"
    },
    { //1 "1234512345123456" "1234512345123456"
      "arid",               "lckgSuffWtr/Rain"
    },
    { //2 "1234512345123456" "1234512345123456"
      "enliven",           "hgtn/intensify"
    },
    { //3 "1234512345123456" "1234512345123456"
      "lurch",             "mv abruptly"
    },
    { //4 "1234512345123456" "1234512345123456"
      "oblivious to",      "lckgCnsCsAwrnOf"
    },
    { //5 "1234512345123456" "1234512345123456"
      "wtn a whisker of",  "extremelyClose 2"
    },
    { //6 "1234512345123456" "1234512345123456"
      "colloid",           "mixWpropBtSolSus"
    },
    { //7 "1234512345123456" "1234512345123456"
      "reticent",          "disclined2talk"
    },
    { //8 "1234512345123456" "1234512345123456"
      "pry~apart",         "force2getSthOpen"
    }
}
```

```

    },
    { //9 "1234512345123456" "1234512345123456"
      "esoter ic", "cnfnd2onyEnlgtnd"
    },
  }; //words000[10][2][16]

uint8_t words001[10][2][16] =
{
  { //0 "1234512345123456" "1234512345123456"
    "snag", "hiddenObstacle"
  },
  { //1 "1234512345123456" "1234512345123456"
    "mission-agnostic", "genApplicable"
  },
  { //2 "1234512345123456" "1234512345123456"
    "deep-stedCult ure", "fracturedRltnshp"
  },
  { //3 "1234512345123456" "1234512345123456"
    "tumult", "loudCnfsdNseByMs"
  },
  { //4 "1234512345123456" "1234512345123456"
    "sober ing", "tending2mkSober "
  },
  { //5 "1234512345123456" "1234512345123456"
    "miscar rage", "br thBbyAlrdDd@Wm"
  },
  { //6 "1234512345123456" "1234512345123456"
    "class-actnLwSt", "lawSui tTogether "
  },
  { //7 "1234512345123456" "1234512345123456"
    "blister", "fluidPocket"
  },
  { //8 "1234512345123456" "1234512345123456"
    "titter", "laughQuietNrvsly"
  },
  { //9 "1234512345123456" "1234512345123456"
    "line cook", "a cook inKitchen"
  },
}; //words001[10][2][16]

uint8_t prevMenuCnt;

int8_t hour=0, min=0, sec=0;
int8_t year=0, month=0, date=0;
int8_t monthEndDate, day=0;
int8_t accumulatedHour=0, accumulatedMin=0, accumulatedSec=0;
//uint8_t hourlyAdjusted=0;

// Program ID
uint8_t program_author[] = "Insoo Kim ";
uint8_t program_version[] = "LCD-ATmega328p";
uint8_t program_date[] = "May 23, 2015 ";

// Menu info
uint8_t menu_str1[] = "1:Rdy or PrevSel";
uint8_t menu_str2[] = "2CK3TH4BL5AJ6AT";

```

