

```

/*
  This sketch prints room temperature on second row of 2x16 lcd display
*/

// include the library code:
#include <LiquidCrystal.h>
int temperature = 0;
int temp = 0;

// initialize the library with the numbers of the interface pins
LiquidCrystal lcd(12, 11, 5, 4, 3, 2); //rs,e,d4,d5,d6,d7

void setup() {
  // set up the LCD's number of columns and rows:
  lcd.begin(16, 2);
  // Print a message to the LCD.
  lcd.print("Room temperature");
  analogReference(INTERNAL); //internal voltage ref of 1.1V on atmega328, 1.1V ~
1024
}

void loop() {
  temperature = analogRead(A0);
  temp = temperature/10;
  lcd.setCursor(1,2); //set cursor to second row first column
  lcd.print(temp,10);
  lcd.print((char)223);lcd.print("C");//(char)223 for degree symbol
  delay(500);
}

```