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                                displaySquareAndSquareRoot1_0.nxc
// File: displaySquareAndSquareRoot1_0.nxc
// Date: 08/31/12 13:04
// Desc: Display number, its square and square root
// Vers: 1.0 - works!

task main ()
{
  int x; // integers from 1 to 10
  int xSquared; // square of x
  float xSquareRoot; // square root of x

  for (x = 1; x <=10; x++) {
    xSquared = x*x;
    xSquareRoot = sqrt(x);

    // TextOut (xPosition, yPosition, string) put string on LCD's x,y position
    // NB: x = y = 0 is lower left corner of LCD; +x goes rights, +y goes up
    // FormatNum is a string with sprintf syntax

    TextOut (10, LCD_LINE4, FormatNum("x = %d" , x));
    TextOut (10, LCD_LINE5, FormatNum("xSquared = %d" , xSquared));
    TextOut (10, LCD_LINE6, FormatNum("sqrt(x) = %3.3f" , xSquareRoot));
    Wait (SEC_2);
  }
}

```