# Description:

Write a program to show potentiometer value on LCD.

# Source Code:

// including LCD Library

#include <LiquidCrystal.h>

// initialize the library with the numbers of the interface pins

LiquidCrystal lcd(11,12, 14, 15, 16, 17);

// declaring Potentiometer interface pins and input variable

int pot = A4;

void setup()

{

// set up the LCD's number of columns and rows:

lcd.begin(16, 2);

lcd.clear();

// accept potentiometer input

pinMode(pot, INPUT);

}

void loop()

{

lcd.setCursor(0,0); // set the cursor to col 0 and row 0 of LCD

lcd.print("Pot Value:"); // prints potentiometer value to LCD

lcd.print(analogRead(pot)); // prints value on variable: pot to LCD

}

# Libraries:

*LiquidCrystal.h:*

It is a library which allows Arduino to control LCDs.

# Functions:

*pinMode(pot, INPUT):*

This is used to read an input from the variable ‘pot’, here the variable ‘pot’ assumes the pin number A4 where the potentiometer is connected for reading potentiometer input.

*analogRead(pot):*

This is used to read analog input from the specified pin. Here it reads analog input value from pin A4 which provides an analog voltage upto 1024 digital levels.