

Stage 1 coding for GAS LEAKAGE MONITORING AND ALERTING SYSTEM

```
#include <LiquidCrystal_I2C.h>

// Set the LCD address to 0x3F for 16 chars and 2 line display
LiquidCrystal_I2C lcd (0x3F, 16, 2);

void setup()
{
  // initialize the LCD display
  lcd.init();

  // Turn on the backlight and print a message.
  lcd.backlight();
  //lcd.print("Hello, world!");
}

void loop()
{

  lcd.clear();
  lcd.print("Hello World!");
  delay(1000);
  lcd.clear();
```

```
lcd.print("I'm powered by");
```

```
lcd.setCursor(3,1);
```

```
lcd.print("Arduino!");
```

```
delay(1000);
```

```
lcd.clear();
```

```
}
```