```
#include <LiquidCrystal.h>

#include <DHT.h>
LiquidCrystal lcd(9,8,4,5,6,7);
#define DHTPIN 2
#define DHTTYPE DHT11
DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(9600);
  Serial.println(F("DHTxx test!"));
  lcd.begin(16,2);
  lcd.write("start");
  pinMode(8,OUTPUT);
  pinMode(9,OUTPUT);
  dht.begin();

}

void loop() {
    digitalWrite(8,1);
  digitalWrite(9,1);

  delay(2000);
  float h = dht.readHumidity();
  float t = dht.readTemperature();
  float f = dht.readTemperature(true);

  if (isnan(h) || isnan(t) || isnan(f)) {
```

```
  Serial.println(F("Failed to read from DHT sensor!"));
  return;
 }

 float hif = dht.computeHeatIndex(f, h);
 float hic = dht.computeHeatIndex(t, h, false);
 lcd.setCursor(0, 1);
 lcd.print(millis() / 1000);
 lcd.write(F("Humidity: "));
 lcd.write(h);
 lcd.setCursor(0, 1);
 lcd.print(millis() / 1000);
 lcd.write(F("%  Temperature: "));
 lcd.write(t);
 lcd.write(F("°C "));
  lcd.setCursor(0, 1);
 lcd.print(millis() / 1000);
 lcd.write(f);
 lcd.write(F("°F  Heat index: "));
  lcd.setCursor(0, 1);
 lcd.print(millis() / 1000);
 lcd.write(hic);
 lcd.write(F("°C "));
  lcd.setCursor(0, 1);
 lcd.print(millis() / 1000);
 lcd.write(hif);
 lcd.write(F("°F"));
 delay(10000);
}
```