```cpp
#include <LiquidCrystal.h>

 const int rs = 12, en = 11, d4 = 5, d5 = 4, d6 = 3, d7 = 2;
LiquidCrystal lcd (rs, en, d4, d5, d6, d7) ;// LCD pins: RS, E, D4, D5, D6, D7
int rainSensorPin = A5;
int motor Pin = 1;
int motor Status = LOW;

void setup () {
  lcd. Begin (16, 2); // Initialize the LCD
  pin Mode (rainSensorPin, INPUT);
  pin Mode (motor Pin, OUTPUT);
}

void loop () {
  int rainStatus = digitalRead(rainSensorPin);

  if (rainStatus == HIGH) {
    motor Status = HIGH;
    digital Write (motor Pin, motor Status);
    lcd. Clear ();
    lcd. Print("motor=on");
    lcd. set Cursor (0,1);
    lcd. Print("rain");


  } else {
    motor Status = LOW;
    digital Write (motor Pin, motor Status);
    lcd. Clear ();
    lcd. Print("motor=off");
    lcd. set Cursor (0,1);
     lcd. Print ("No rain");
       }

  delay (1000); // Delay for stability
}
```