

```
#include <UltraDistSensor.h>
#include <LiquidCrystal I2C.h>
#include <Wire.h>
UltraDistSensor Sensor Name:
LiquidCrystal_I2C Icd(The LCD Address, 20, 4);
float Distance Storage Variable:
int oldMessageNum = 0;
int newMessageNum = 0;
void setup() {
     lcd.init( );
     lcd.backlight( );
     Sensor Name .attach(TrigPin Name, EchoPin Name);
}
void loop() {
     Distance Storage Variable = Sensor Name .distanceInInch();
     if(Distance Storage Variable Operator 20) {
           newMessageNum = First Number;
     } else if (Distance Storage Variable Operator 40) {
           newMessageNum = Second Number;
     } else if (Distance Storage Variable Operator 75) {
           newMessageNum = Third Number;
     } else {
           newMessageNum = Fourth Number:
     }
```

```
if( newMessageNum != oldMessageNum ) {
     oldMessageNum = newMessageNum;
     lcd.setCursor(X Coordinate , Y Coordinate);
     if(oldMessageNum == First Number ) {
           lcd.print("Print Statement 1 ");
     } else if (oldMessageNum == Second Number) {
           lcd.print("Print Statement 2");
     } else if (oldMessageNum == Third Number ) {
           lcd.print("Print Statement 3");
     } else {
           lcd.print("Print Statement 4");
     }
} else {
     lcd.scrollDisplayDirection();
}
delay(200);
```

}