LAMPIRAN

```
#include <LiquidCrystal.h>

int sump=A0;

int qut=A1;

int hlf=A2;

int thf=A3;

int ful=A4;

int motor=8;

int buz=7;

int s;

int q;

int h;

int t;

int f;

int i;     //motor status flag

int v=100; //comparison variable(needs some adjustment)

int b=0;   //buzzer flag

int m=0;   //motor flag

int c=0;   //sump flag
```

```
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);

void setup()
{

pinMode(qut,INPUT);
pinMode(hlf,INPUT);
pinMode(qut,INPUT);
pinMode(ful,INPUT);
pinMode(sump,INPUT);
pinMode(motor,OUTPUT);
pinMode(buz,OUTPUT);
lcd.begin(16, 2);
digitalWrite(buz,LOW);
}

void loop()
{
```

```
i=digitalRead(motor);

s=analogRead(sump);

q=analogRead(qut);

h=analogRead(hlf);

t=analogRead(thf);

f=analogRead(ful);

lcd.clear();


if(f>v && t>v && h>v && q>v )

{

lcd.setCursor(0,0);

lcd.print(char(219));

lcd.print(char(219));

lcd.print(char(219));

lcd.print(char(219));

lcd.setCursor(5,0);

lcd.print("FULL");

m=0;
```

```
b=0;
}
else
{
if(f<v && t>v && h>v && q>v)
{
lcd.setCursor(0,0);
lcd.print(char(219));
lcd.print(char(219));
lcd.print(char(219));
lcd.print("_");
lcd.setCursor(5,0);
lcd.print("3/4th");
b=0;
}
else
{
if(f<v && t<v && h>v && q>v)
{
```

```
lcd.setCursor(0,0);

lcd.print(char(219));

lcd.print(char(219));

lcd.print("_");

lcd.print("_");

lcd.setCursor(5,0);

lcd.print("HALF");

m=1;

b=0;

}

else

if(f<v && t<v && h<v && q>v)

{

lcd.setCursor(0,0);

lcd.print(char(219));

lcd.print("_");

lcd.print("_");

lcd.print("_");

lcd.setCursor(5,0);
```

```
lcd.print("1/4th");

b=0;

}

else

{

if(f<v && t<v && h<v && q<v)

{

lcd.setCursor(0,0);

lcd.print("_");

lcd.print("_");

lcd.print("_");

lcd.print("_");

lcd.setCursor(5,0);

lcd.print("LOW");

b=0;

}

else


{
```

```
digitalWrite(motor,LOW);

lcd.setCursor(0,0);

lcd.print("ERROR!");

b=1;

}

}}}

if(i==HIGH)

{

lcd.setCursor(0,1);

lcd.print("Motor ON");

}

else

{

lcd.setCursor(0,1);

lcd.print("Motor OFF");

}
```

```
if(s>v && m==1)
{
digitalWrite(motor,HIGH);
}
if(s<v)
{
digitalWrite(motor,LOW);
lcd.setCursor(11,0);
lcd.print("Low");
lcd.setCursor(11,1);
lcd.print("Sump");
c=1;
}
if(s>v)
{
c=0;
}

if(m==0)
```

```
{
digitalWrite(motor,LOW);
}

if(b==1 || c==1)
{
digitalWrite(buz,HIGH);
delay(500);
digitalWrite(buz,LOW);
}
else
{
digitalWrite(buz,LOW);
}
delay(100);
lcd.clear();
}
```