```cpp
const int trigpin=3;
const int echopin=4;
const unsigned int maxdist=23200;
void setup()
{
pinMode(trigpin,OUTPUT);
digitalWrite(trigpin,LOW);
pinMode(echopin,INPUT);
Serial.begin(9600);
}
void loop(){
unsigned long t1;
unsigned long t2;
unsigned long pulsewidth;
float cm;
float inches;
digitalWrite(trigpin, HIGH);
delayMicroseconds(10);
digitalWrite(trigpin, LOW);
while(digitalRead(echopin)==0);
t1=micros();
while(digitalRead(echopin)==1);
t2=micros();
pulsewidth=t2-t1;
cm=pulsewidth/58;
inches=pulsewidth/148.0;
if(pulsewidth>maxdist)
{
    Serial.println("Out of range");
}
else
{
  Serial.println("Distance in cm: ");
  Serial.println(cm);
  if(cm<100)
 {
   while(true)
    {
     Serial.println("Alert");
     }
    }
}
delay(1000);
```