

## Assignment No 8

**Source Code** void

```
setup() {  
  // put your setup code here, to run once:  
  pinMode(2,INPUT);  
  pinMode(13,OUTPUT);//LED  
}  
void  
loop() {  
  // put your main code here, to run repeatedly:  
  if(digitalRead(2)==LOW){ digitalWrite(13,HIGH);  
  } else{  
    digitalWrite(13,LOW);  
  }  
}
```

**Output :**

```
sketch_nov19a | Arduino 1.8.16
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sketch_nov19a
const int ProxSensor=3; //Declaring where the Out pin from the sensor is wired

void setup() {
  pinMode(13, OUTPUT); // setting the pin modes, the "13" stands for the internal Arduino uno internal LED
  pinMode(ProxSensor,INPUT); // then we have the out pin from the module
}

void loop() {
  if(digitalRead(ProxSensor)==HIGH) //Check the sensor output if it's high
  {
    digitalWrite(13, LOW); // Turn the LED on (Yes by writing LOW)
  }
  else
  {
    digitalWrite(13, HIGH); // Turn the LED OFF if there's no signal on the ProxSensor
  }
  delay(100);
}

Problem uploading to board. See https://support.arduino.cc/en-us/sections/360003198300 for suggestions.
Copy error messages
avrdude: stk500_recv(): programmer is not responding
avrdude: stk500_getsync() attempt 10 of 10: not in sync: resp=0x55
Problem uploading to board. See https://support.arduino.cc/en-us/sections/360003198300 for suggestions.
```