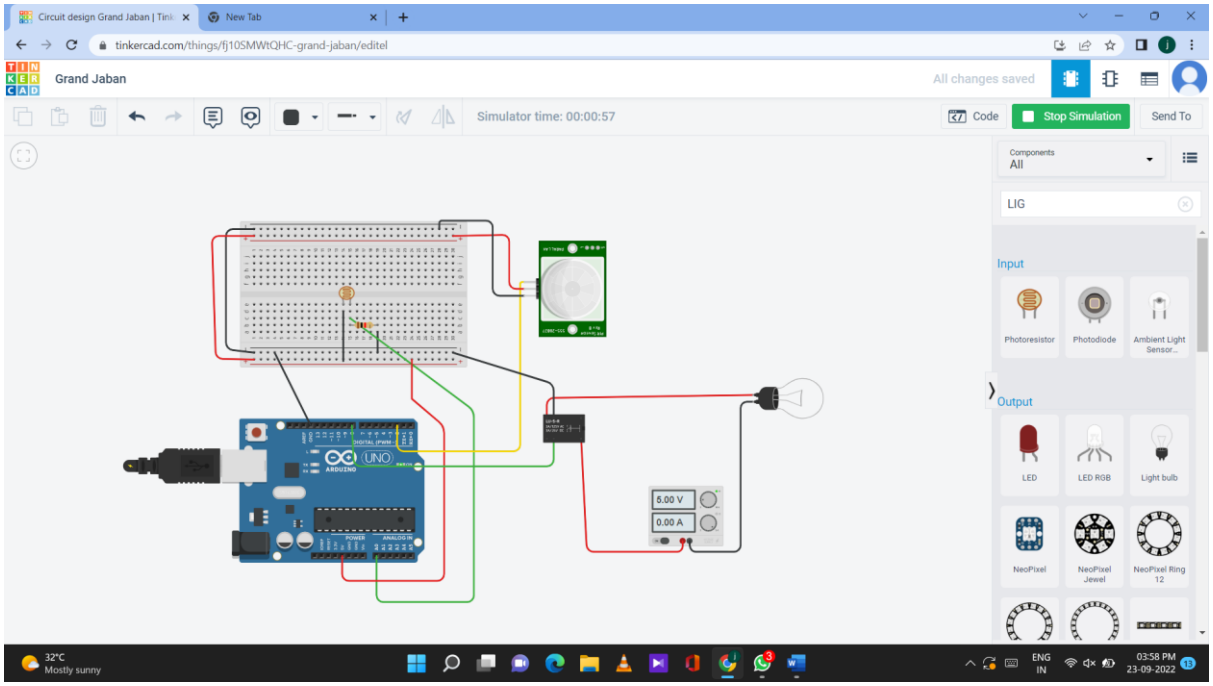
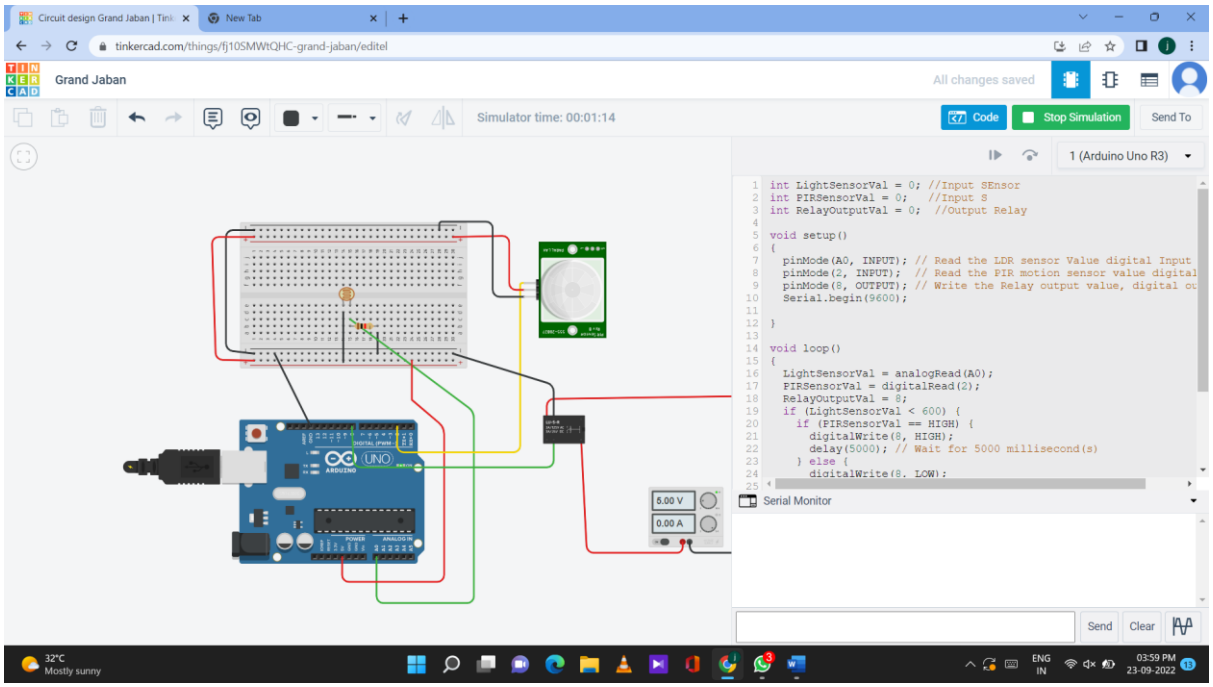
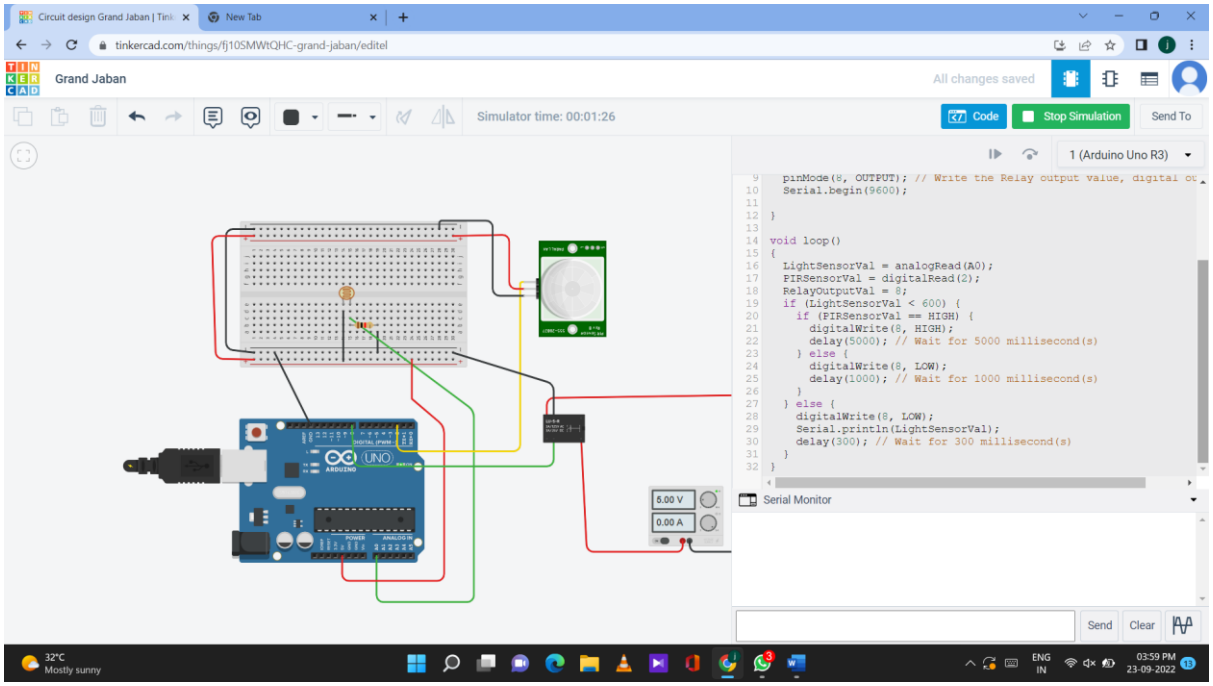
AUTOMATIC ROOM LIGHTNING SYSTEM







CODE

```
int LightSensorVal = 0; //Input SEnsor
int PIRSensorVal = 0;   //Input S
int RelayOutputVal = 0;  //Output Relay


void setup()
{
  pinMode(A0, INPUT); // Read the LDR sensor Value digital Input
  pinMode(2, INPUT);  // Read the PIR motion sensor value digital Input
  pinMode(8, OUTPUT); // Write the Relay output value, digital output
  Serial.begin(9600);


}


void loop()
{
  LightSensorVal = analogRead(A0);
```

```
 PIRSensorVal = digitalRead(2);
 RelayOutputVal = 8;
 if (LightSensorVal < 600) {
  if (PIRSensorVal == HIGH) {
   digitalWrite(8, HIGH);
   delay(5000); // Wait for 5000 millisecond(s)
  } else {
   digitalWrite(8, LOW);
   delay(1000); // Wait for 1000 millisecond(s)
  }
 } else {
  digitalWrite(8, LOW);
  Serial.println(LightSensorVal);
  delay(300); // Wait for 300 millisecond(s)
 }
}
```