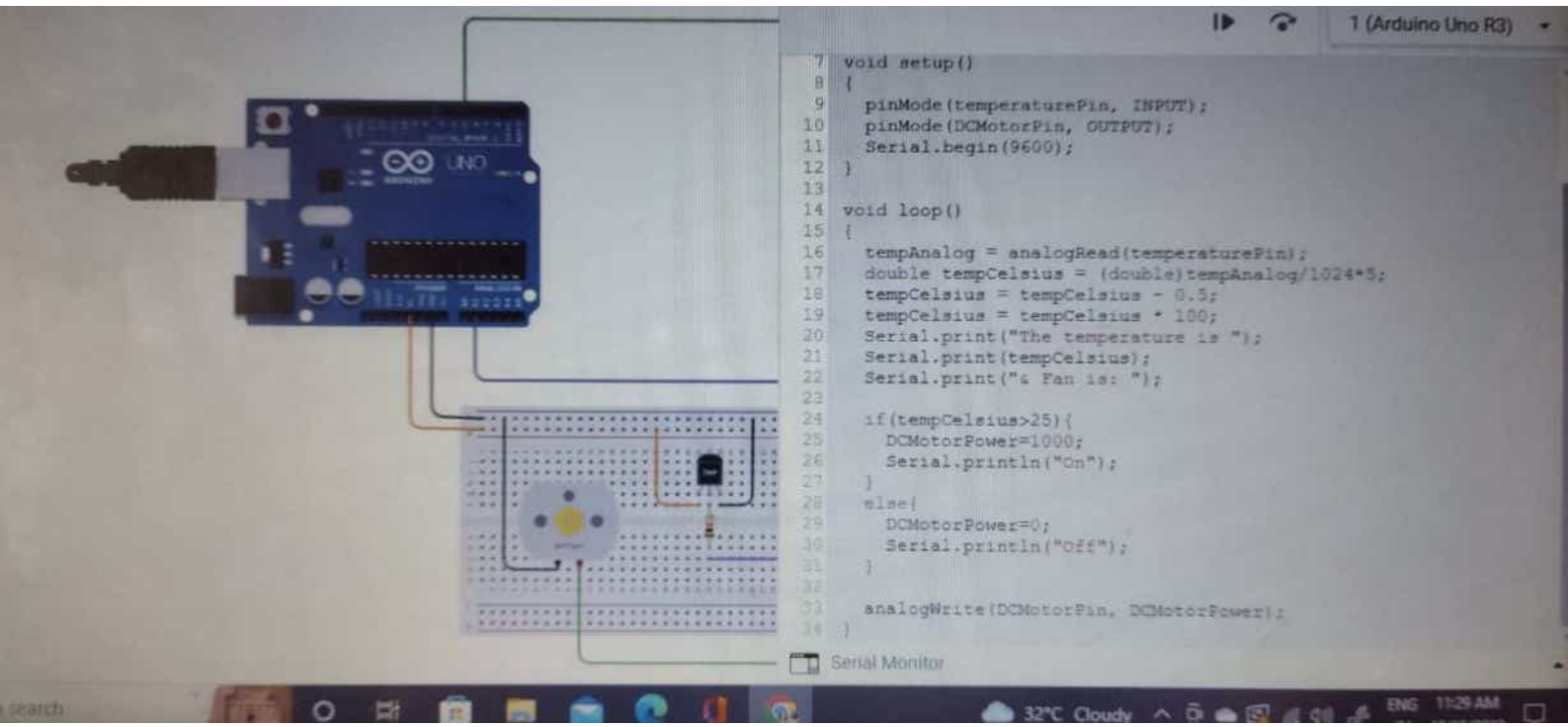
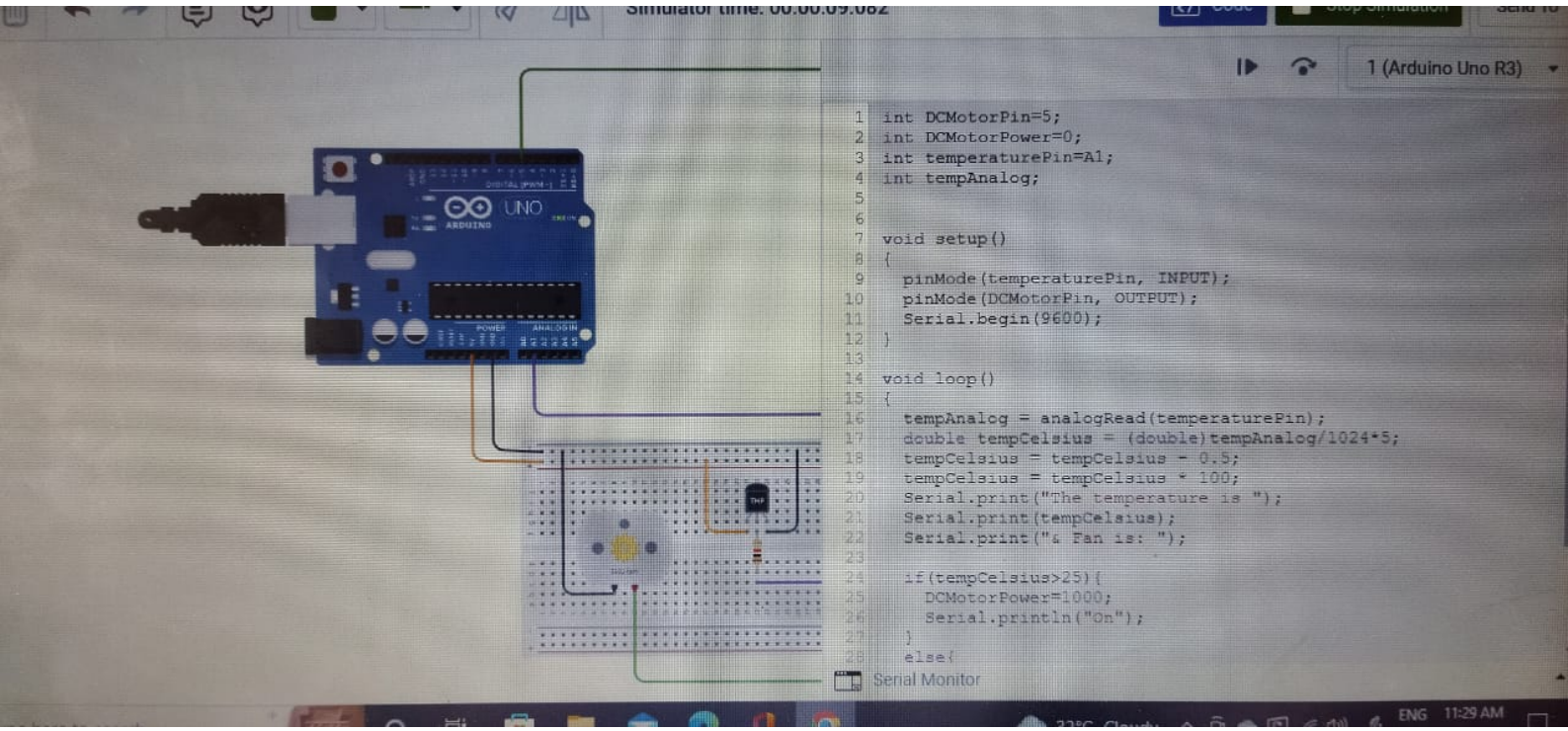
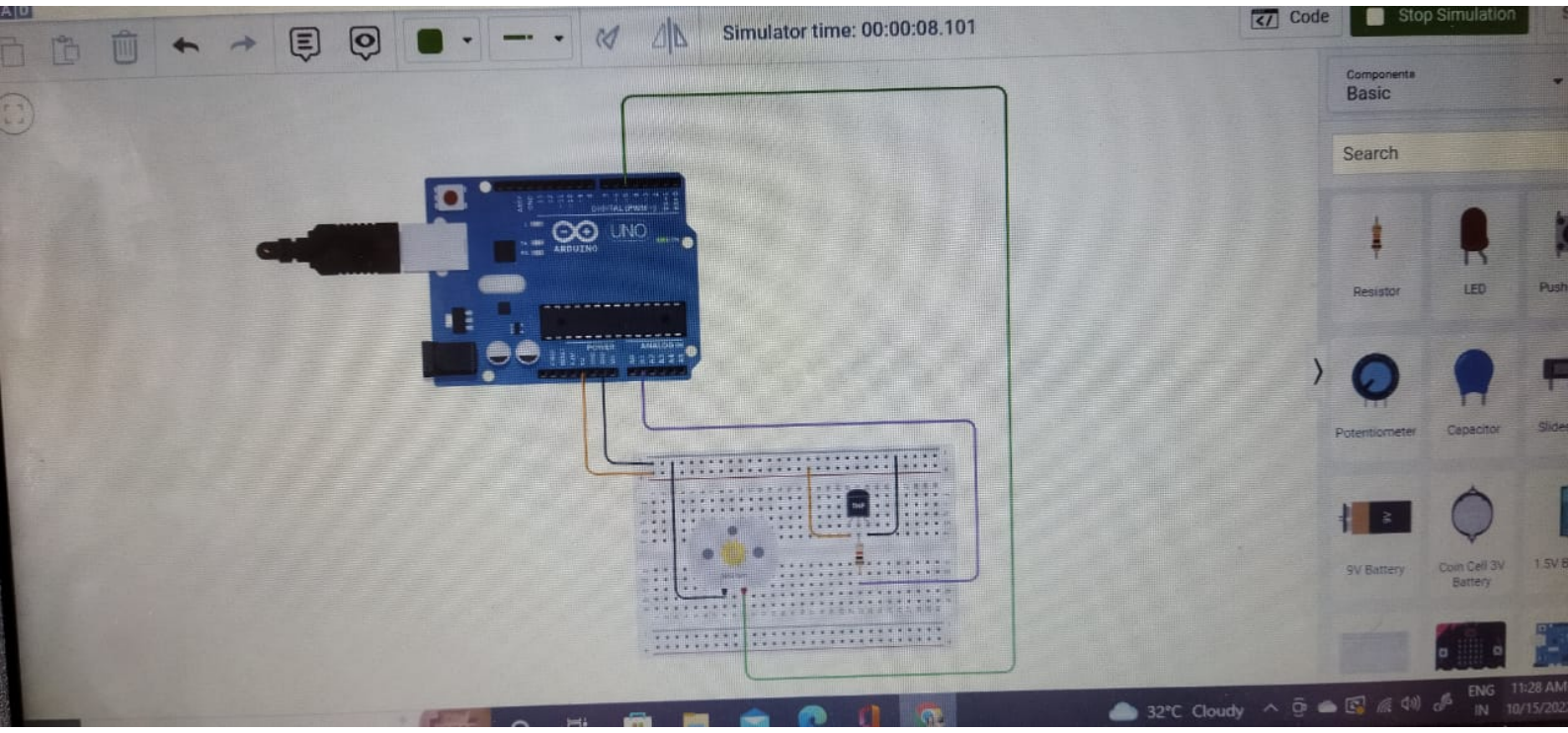

1 (Arduino Uno R3)
void setup()
{
pinMode(temperaturePin, INPUT);
pinMode(DCMotorPin, OUTPUT);
Serial.begin(9600);
}
void loop()
{
tempAnalog = analogRead(temperaturePin);
double tempCelsius = (double)tempAnalog/1024*5;
tempCelsius = tempCelsius - 0.5;
tempCelsius = tempCelsius * 100;
Serial.print("The temperature is ");
Serial.print(tempCelsius);
Serial.print("& Fan is: ");
if(tempCelsius>25){
DCMotorPower=1000;
Serial.println("On");
}
else{
DCMotorPower=0;
Serial.println("Off");
}
analogWrite(DCMotorPin, DCMotorPower);
}
Serial Monitor
32°C Cloudy
ENG
11:29 AM


1 (Arduino Uno R3)
int DCMotorPin=5;
int DCMotorPower=0;
int temperaturePin=A1;
int tempAnalog;
void setup()
{
pinMode(temperaturePin, INPUT);
pinMode(DCMotorPin, OUTPUT);
Serial.begin(9600);
}
void loop()
{
tempAnalog = analogRead(temperaturePin);
double tempCelsius = (double)tempAnalog/1024*5;
tempCelsius = tempCelsius - 0.5;
tempCelsius = tempCelsius * 100;
Serial.print("The temperature is ");
Serial.print(tempCelsius);
Serial.print("& Fan is: ");
if(tempCelsius>25){
DCMotorPower=1000;
Serial.println("On");
}
else{
Serial Monitor
ENG 11:29 AM


Simulator time: 00:00:08.101
Code
Stop Simulation
Components
Basic
Search
Resistor
LED
Potentiometer
Capacitor
9V Battery
Coin Cell 3V Battery
UNO
ARDUINO
32°C Cloudy
ENG
IN