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Experiment No. : 09

Statement : Lit an Led with brightness equal to 0%, 25%, 50%, 75%, 100% via serial monitor.

Date of Exp. : xx/xx/xxxx

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void setup() {

pinMode(3,OUTPUT);

Serial.begin(9600);

}

int blink(){

digitalWrite(3, HIGH);

delay(1000);

digitalWrite(3, LOW);

delay(1000);

}

void loop() {

if(Serial.available() > 0){

char key = Serial.read();

switch(key){

case '1': analogWrite(3,65); // on clicking 1 led will blow at Lowest Brightness

break;

case '2': analogWrite(3,100);

break;

case '3': analogWrite(3,155);

break;

case '4': analogWrite(3,200);

break;

case '5': analogWrite(3,255); // on clicking 5 led will blow at highest Brightness

break;

case '0': analogWrite(3,blink()); // on clicking 0 led will blink

break;

}

}

}



