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Experiment No. : 08

Statement : Turn ON/OFF five LEDs individually via serial monitor window.

Date of Exp. : xx/xx/xxxx

Author : Harsh Katakwar (A-21)

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int led[] = {2, 3, 4, 5, 6};

int loopLed = 5;

char serialInput;

void setup() {

Serial.begin(9600);

for (int i = 0; i < loopLed; i++) {

pinMode(led[i], OUTPUT);

digitalWrite(led[i], LOW);

}

}

void loop() {

if (Serial.available() > 0) {

serialInput = Serial.read();

switch (serialInput) {

case 'A':

digitalWrite(led[0], HIGH);

break;

case 'B':

digitalWrite(led[1], HIGH);

break;

case 'C':

digitalWrite(led[2], HIGH);

break;

case 'D':

digitalWrite(led[3], HIGH);

break;

case 'E':

digitalWrite(led[4], HIGH);

break;

case 'F':

for (int i = 0; i < loopLed; i++) {

digitalWrite(led[i], LOW);

}

break;

default:

break;

}

}

}



