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Experiment No. : 01

Statement : Make a running light pattern of 5 LEDs. It should run in both directions continuously.

Date of Exp. : xx/xx/xxxx

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int pushButton1 = 1;

int pushButton2 = 11;

void setup() {

Serial.begin(9600);

pinMode(1,INPUT\_PULLUP);

pinMode(11,INPUT\_PULLUP);

for(int i=6 ; i<=10 ; i++){

pinMode(i, OUTPUT);

}

}

void loop() {

if(digitalRead(pushButton1) == LOW){

for(int i=6 ; i<=10; i++){

digitalWrite(i, HIGH);

delay(100);

digitalWrite(i, LOW);

delay(100);

}

}

if(digitalRead(pushButton2) == LOW){

for(int i=10 ; i>=6; i--){

digitalWrite(i, HIGH);

delay(100);

digitalWrite(i, LOW);

delay(100);

}

}

}

