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Experiment No. : 02

Statement : Make experiment 1 work with two switches. One switch press would result in running of LEDs in one direction, while the second switch press would result in running of LEDs in the opposite direction.

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);

}

}

}

