Experiment No. : 2

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

Date of Exp :

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

int loopLed=5;

int switchPin1=8;

int switchPin2=9;

void setup(){

pinMode(switchPin1,INPUT\_PULLUP);

pinMode(switchPin2,INPUT\_PULLUP);

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

pinMode(led[i],OUTPUT);

}

}

void loop(){

if(digitalRead(switchPin1)==LOW){

runLeds(100);

}

if(digitalRead(switchPin2)==LOW){

runLedsReverse(100);

}

}

void runLeds(int n){

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

digitalWrite(led[i],HIGH);

delay(n);

digitalWrite(led[i],LOW);

}

}

void runLedsReverse(int n){

for(int i=loopLed-1;i>=0;i--){

digitalWrite(led[i],HIGH);

delay(n);

digitalWrite(led[i],LOW);

    }

  }



