```
/*

Experiment No. :     02

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.   :     xx/xx/xxxx

Author         :     Reva Dhiran (A-10)

*/

Code:

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

int loopLed=5;

int switchPin1=10;

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(){
```

```arduino
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);

}

}
```