

Servomotor ovládanie troma tlačidlami

// Program: Controlling the servo with 3 keys

```
#include <Servo.h>
```

```
Servo myservo;
```

```
int val;
```

```
int ChE = 3 ; // pin to be connected in key left
```

```
int ChC = 4 ; // pin to be connected in the central key
```

```
int ChD = 5 ; // pin to be connected in the right key
```

```
void setup ()
```

```
{
```

```
  // Servo data pin connected to pin 9 of the Arduino
```

```
  myservo.attach ( 9 );
```

```
  // Set the pin as input
```

```
  pinMode (ChE, INPUT);
```

```
  // Triggers the internal pull-up resistor
```

```
  digitalWrite (ChE, HIGH);
```

```
  pinMode (ChC, INPUT);
```

```
  digitalWrite (ChC, HIGH);
```

```
  pinMode (ChD, INPUT);
```

```
  digitalWrite (ChD, HIGH);
```

```
}
```

```
void loop ()
```

```
{
```

```
  // Le value of the Left Key (On / Off)
```

```
  val = digitalRead (ChE);
```

```
  // If the key is pressed, the servo moves
```

```
  if (val!= 1 )
```

```
  {
```

```
    myservo.write ( 60 ); // Move the servo to the angle of 60 degrees
```

```
    delay ( 15 ); // Delay for the servant reach the position
```

```
  }
```

```
  val = digitalRead (ChC);
```

```
  if (val != 1 )
```

```
  {
```

```
    myservo.write ( 90 ); // Move the servo to the angle of 90 degrees
```

```
    delay ( 15 );
```

```
  }
```

```
  val = digitalRead (ChD);
```

```
  if (val != 1 )
```

```
  {
```

```
    myservo.write ( 120 ); // Move the servo to the angle of 120 degrees
```

```
    delay ( 15 );
```

```
  }
```

```
}
```

