

ENGINE

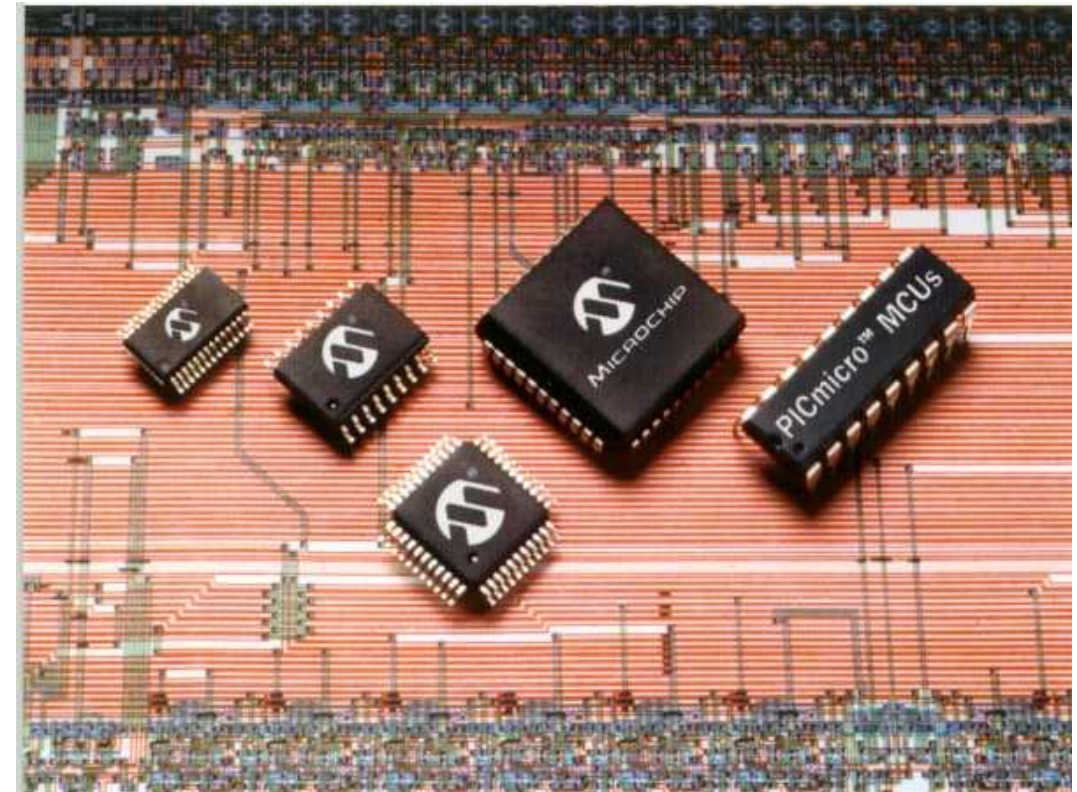


TEACHING ONLINE ELECTRONICS, MICROCONTROLLERS AND PROGRAMMING
IN HIGHER EDUCATION

2. Pins as inputs

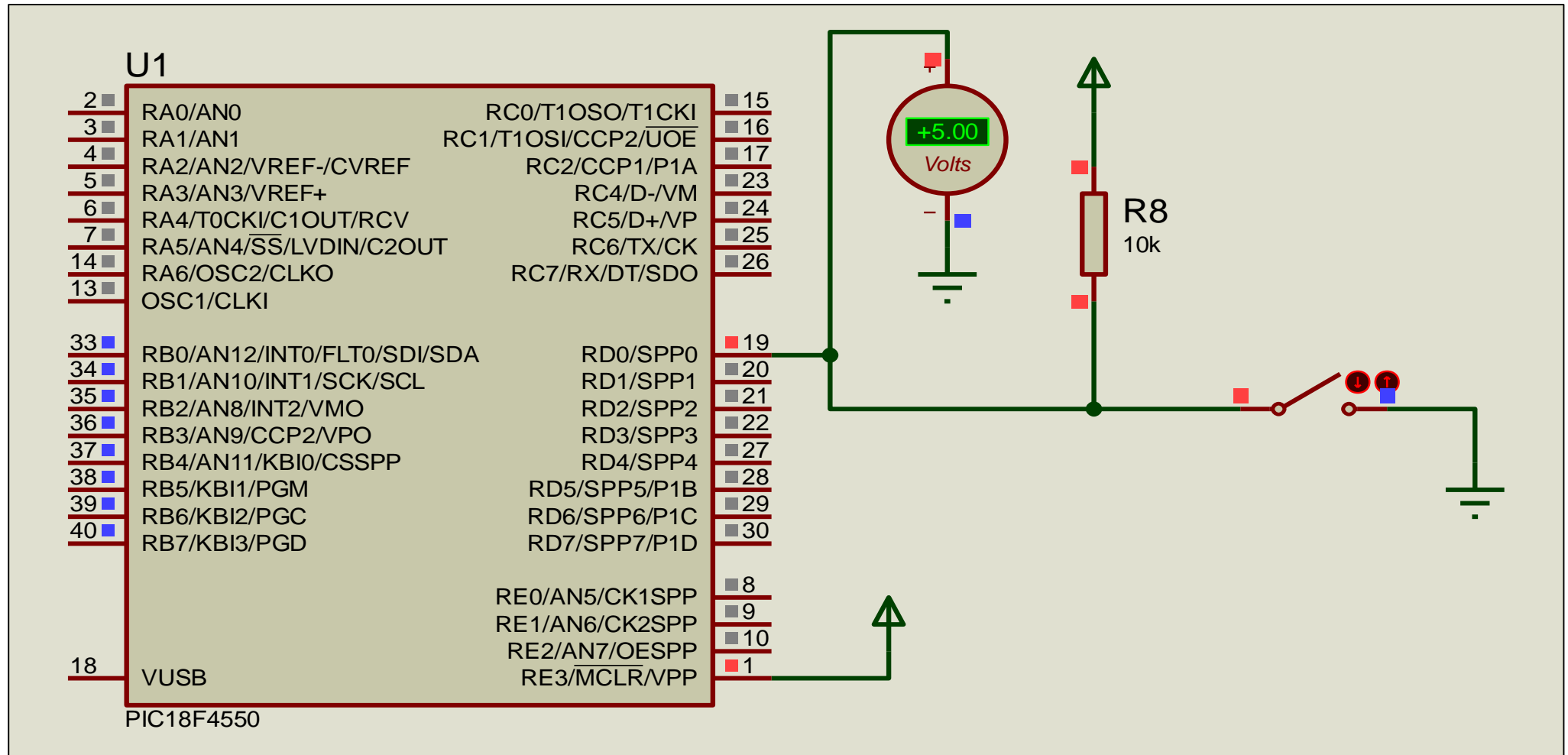
Περιεχόμενα

- Εισαγωγή
- Παράδειγμα



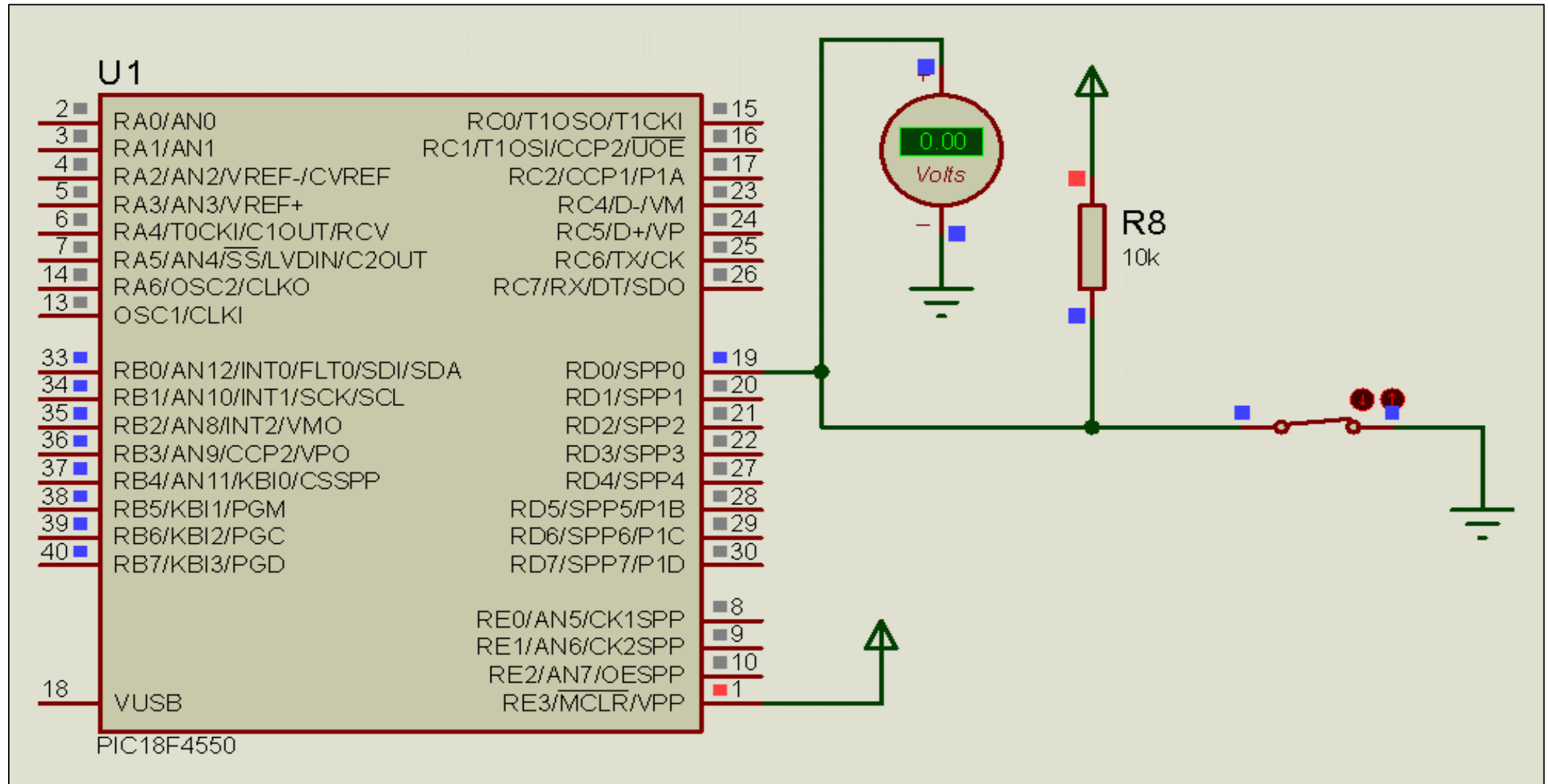
2. Pins as inputs Εισαγωγή

RD0=1



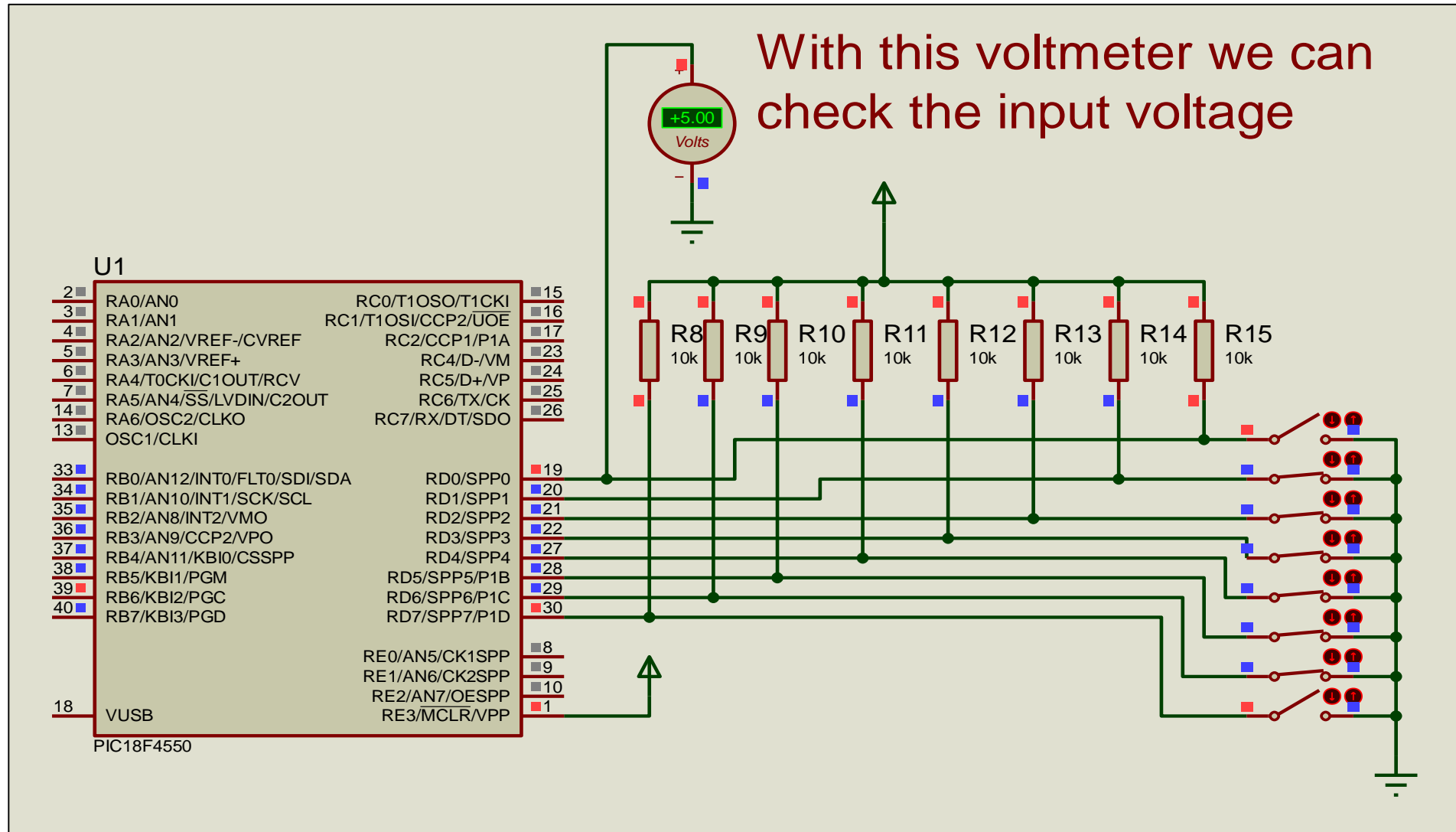
2. Pins as inputs Εισαγωγή

RD0=0



2. Pins as inputs Εισαγωγή

Διάγραμμα 8 bit από την PORTD.



2. *Pins as inputs*

Εισαγωγή

Διαβάζει τιμή εισόδου από μεμονωμένο pin

```
a=input(PIN_A0);
```

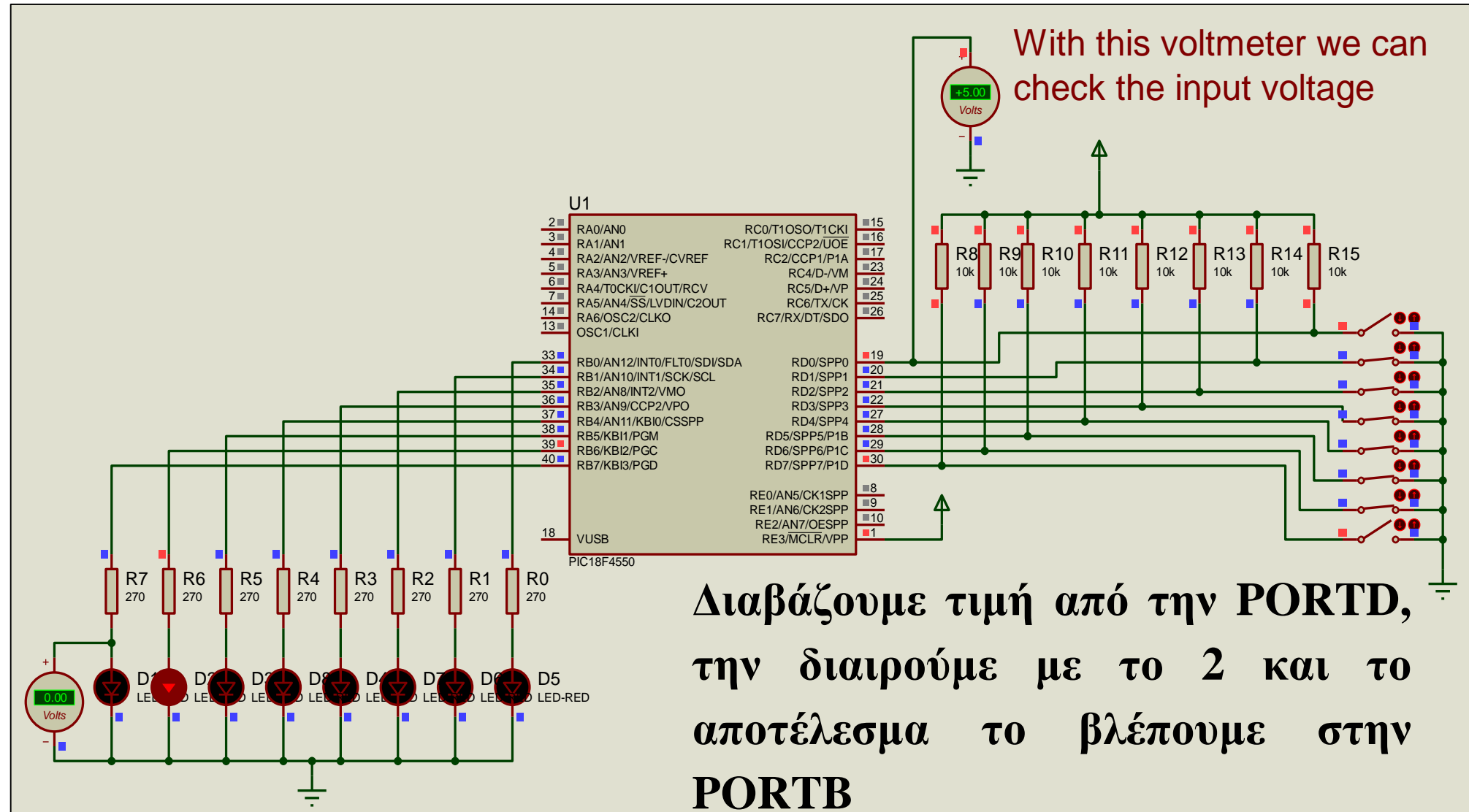
Καθορίζει τιμή εξόδου «1» σε μεμονωμένο pin

```
output_high(PIN_B0);
```

Καθορίζει τιμή εξόδου «0» σε μεμονωμένο pin

```
output_low(PIN_D6);
```

2. Pins as inputs Παράδειγμα



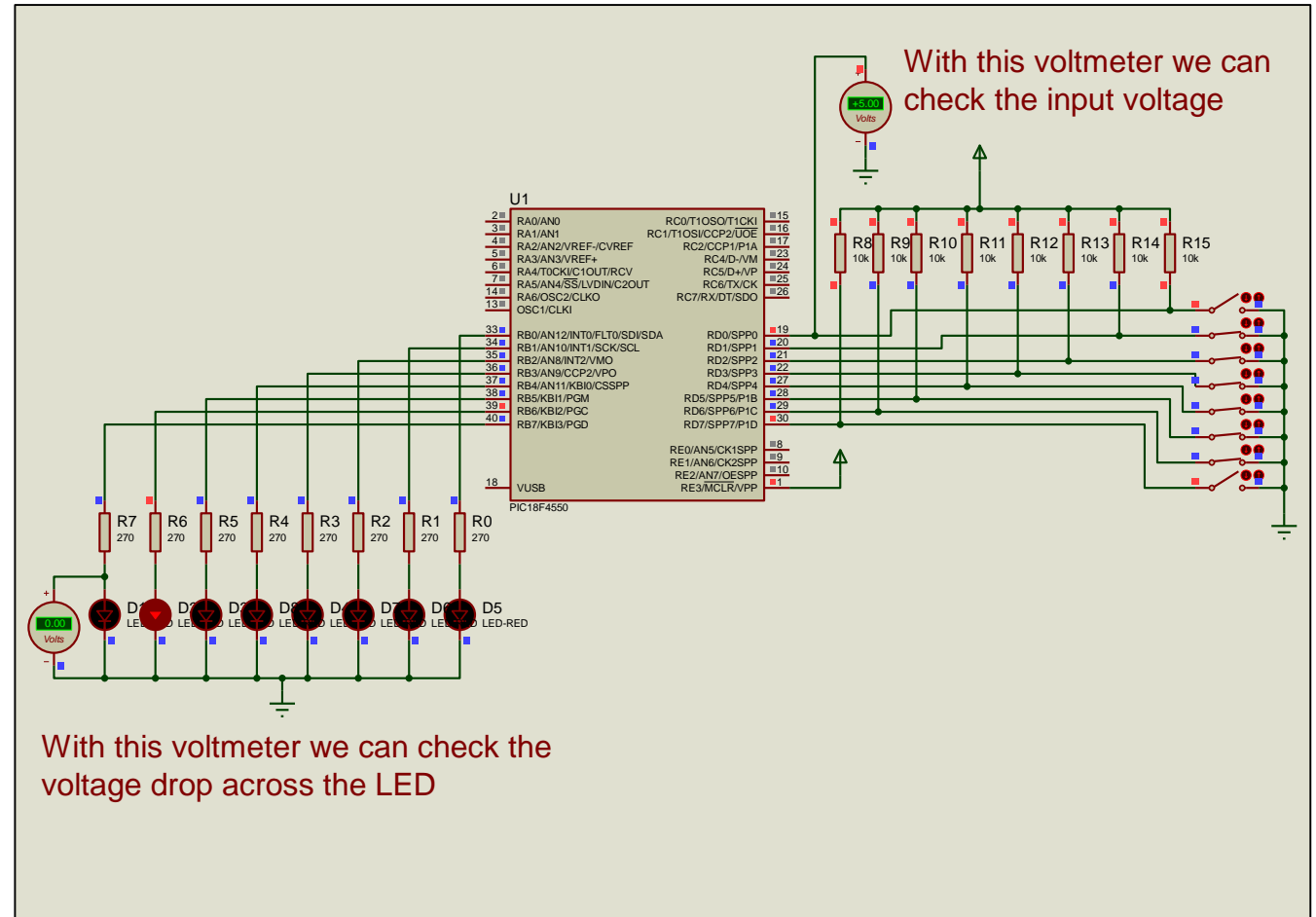
Κώδικας

```
#include<main.h>
#byte PORTB=0xF81
#byte PORTD=0xF83
//θέσεις μνήμης καταχωρητών δεδομένων
```

```
void main()
{
    set_tris_b(0x00); // PORTB έξοδος
    set_tris_d(0xff); // PORTD είσοδος
    int8 a;           //μεταβλητη 8 bit
```

```
while(TRUE) { //για πάντα
    a=PORTD;
    PORTB=a/2;
}
}
```

2. Pins as inputs Εισαγωγή



ENGINE Partnership

- Warsaw University of Technology (PL) - *coordinator*
- IHU - International Hellenic University (GR)
- EDUMOTIVA - European Lab for Educational Technology (GR)
- University of Padova (IT)
- University of Applied Sciences in Tarnow (PL)



INTERNATIONAL
HELLENIC
UNIVERSITY



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



CONTACT:



www.engined.eu



angelika.tefelska@pw.edu.pl



[@projectENGINE1](https://twitter.com/projectENGINE1)



[@EUprojectEngine](https://www.facebook.com/EUprojectEngine)



Erasmus+

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.