Microcontrollers
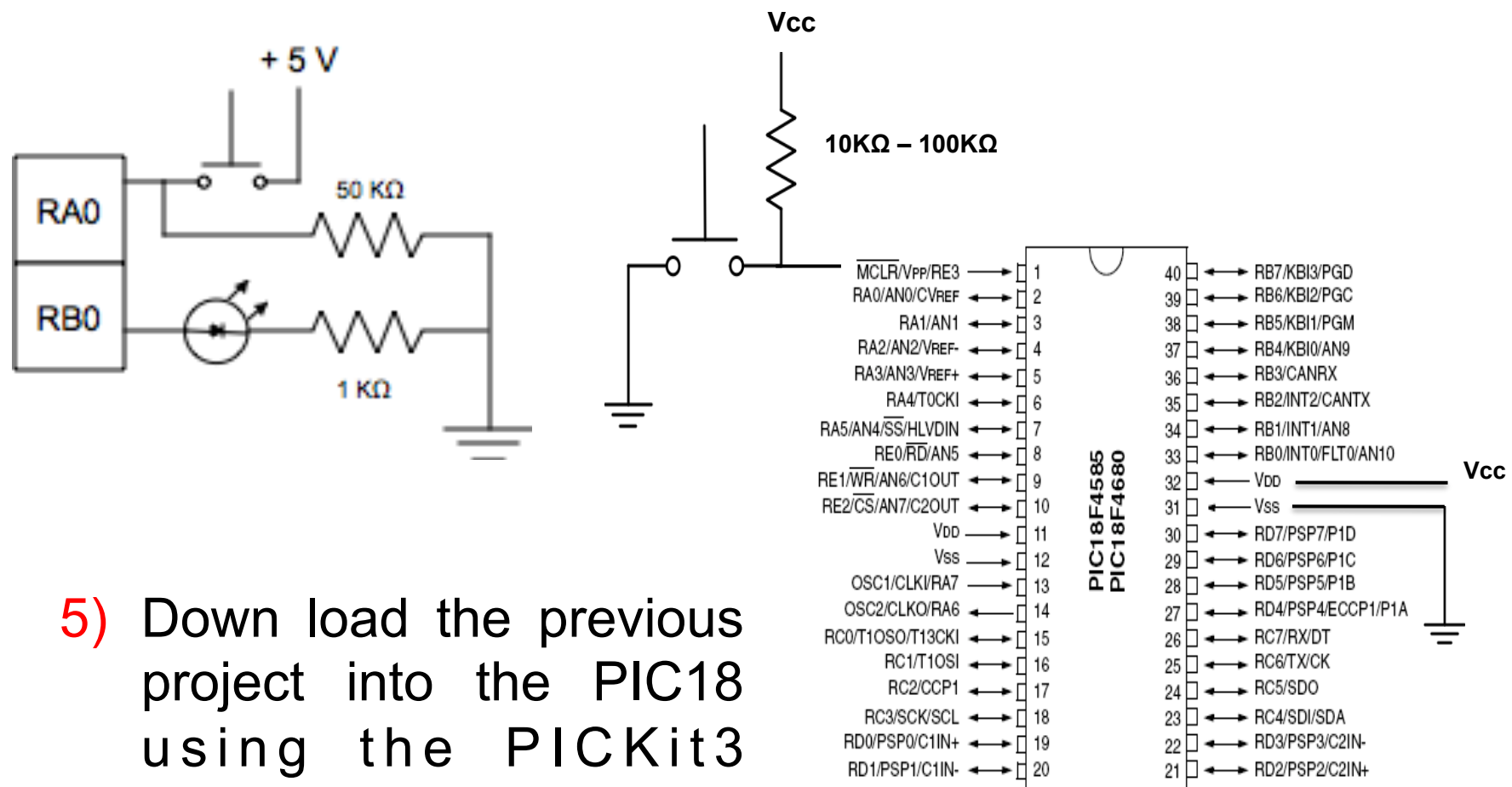
PRACTICE#3
MPLAB X Installation
and
PIC18F4550 Minimum System Test.

✎ LAB PRACTICE

1) Install the MPLAB-X.

2) Create a new Assembly project using the code provided by the professor:

   Practice3.asm

3) Compile the project, you can use the tutorial provided

✎ LAB PRACTICE

4) Build the following minimum system using you PIC18:

5) Down load the previous project into the PIC18 using the PICKit3 device.

✎ LAB PRACTICE

6) Install the latest version of the **XC8 Compiler**, wich is the "*C Language Compiler*" for the PIC18.

7) Now, remove the Assembly Code File from the project, and add the "C Language" version of the same application. You will find this file on the Blackboard's Lab file:

   Practice3.c

8) Compile the project again, down load it into the PIC18 using the PICKit3 device, and run it. Compare the results against the previous execution of the assembly code version. Write your comments.