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# Project:      Lab 02 (VoMikeLab02SecHY02Ver01.py)
# Name:        Mike Vo
# Date:        01/17/15
# Description:  This program will print out the numbers 0 to 9,
#              and then print out the numbers 1 to 10, then print
#              out 0-9 and 1-10 in two side-by-side column

# Section 1
def MainA():

    # Print section header
    print( "==== Section 1 =====" )

    # A loop that prints out numbers 0 to 9
    for intIndex in range(10):
        print( intIndex, end=" " )

    # Print an End-Of-Line characters to separate next section
    print()

# Section 2
def MainB():

    # Print section header
    print( "==== Section 2 =====" )

    # A loop that prints out numbers 1 to 10
    for intIndex in range(1, 11, 1):
        print( intIndex, end=" " )

    # Print an End-Of-Line characters to separate next section
    print()

# # Another way to do it
# for intIndex in Range(10):
#     print( intIndex + 1, end=" " )
#
# print()

# Section 3
def MainC():

    # Print section header
    print( "==== Section 3 =====" )

    for intIndex in range(10):
        print( intIndex, "|", intIndex + 1 )

# Main body
def main():

    # Print program header
    print( "Project:      Lab 02 (VoMikeLab02SecHY02Ver01.py)" )
    print( "Name:        Mike Vo" )

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print( "Date:          01/17/15" )
print( "Version 01\n" )

# Execute the 3 sections in order
MainA()
MainB()
MainC()

# Evoke main()
main()
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