Laboratory Work 3: Introduction to Sequential Programming

To be done in groups of two.

OBJECTIVES

- Formatted input/output
- Writing a C program using sequential structures.

1. Write a 'C' program that performs conversions from miles to kilometers. The inputs and outputs should be floating point values. The program should prompt the user for the mile value, read the input, do the conversion, and then print the result with to places after the dot (example output: 65.34km). The conversion rule is: 1 mile = 5/8 km.

2. Write a C program to calculate the area of a rectangle. The program should prompt the user to enter the width and height of the rectangle, and then calculate and print the area of the rectangle.

3. Write a C program that asks the user to enter a three digit number, then prints the number with its digits reversed. A session with the program should have the following appearance:

   Enter a two-digit number: 281
   The reversal is: 182

Hint: If n is an integer, then n%10 is the last digit in n and n/10 is n with the last digit removed.