**USKUDAR UNIVERSITY**

**FACULTY OF ENGINEERING AND NATURAL SCIENCES**

**DEPARTMENT OF SOFTWARE ENGINEERING**

**SE 101 INTRODUCTION TO SOFTWARE ENGINEERING**

**LAB SHEET 1-B**

**Exercise 1**

Write a C code that will read the dimensions of a rectangle (in decimal points) from the user and calculate the area of that rectangle and print the answer back to the user.

The output of the code should look on the computer monitor as follows:

Enter the shorter side of the rectangle (e.g. 4.3 meters) > 2.52

Enter the longer side of the rectangle (e.g. 4.3 meters) > 5.9

The area of the rectangle is 14.87 meter-square

**Exercise 2**

Write a code that will read the number of coins a person has in his pocket, and calculates and prints on the monitor how much money this person has at the end of the program.

Note: The money amount should be printed as whole numbers and change (for example, 5 lira and 55 kurus)

(Hint: modulus operator, %)

The “output” of the code should look on the computer monitor as follows:

Enter the number of 1 LIRA > 3

Enter the number of 50 kurus > 5

Enter the number of 25 kurus > 2

Enter the number of 10 kurus > 1

Enter the number of 5 kurus > 0

You have 6 lira and 10 kurus in your pocket