**FOP 1 – Lab 2 Worksheet**

1. Do the exercises from the lecture notes (at home).
2. Write a Python program that prompts the user for two integer values and displays the result of the first number divided by the second, with exactly two decimal places displayed.
3. Write a Python program that prompts the user for five floating-point values and displays their average, with exactly three decimal places displayed, centered in a field of 40 characters.
4. Write a Python program that prompts the user to say a few welcoming words, then displays that message in the following 2 formats:  
    - **The user said “Welcome…”**

* **The user said:**

**Welcome…**

1. Write a Python program that allows the user to enter two integer values, and displays the results when each of the following arithmetic operators are applied. For example, if the user enters the values 7 and 5, the output would be:

**7 + 5 = 12**

**7 - 5 = 2**

**7 \* 5 = 35**

**7 / 5 = 1.40**

**7 // 5 = 1**

**7 % 5 = 2**

**7 \*\* 5 = 16,807**

All floating-point results should be displayed with two decimal places of accuracy. In addition, all values should be displayed with commas where appropriate.

1. Write another program for a shop that only has 2 types of products: pads and pens; the program should take input for the following: the number of pads in stock, the number of pens in stock, the price for a pad, the price for a pen. Then use the print function to produce similar formatted output:

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SHOP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**How many pads? 344**

**How many pens? 700**

**What’s the price of a pad? 0.90**

**What’s the price of a pen? 0.25**

**The shop has 344 pads, each pad costing 0.90 euro.**

**The shop has 700 pens, each pen costing 0.25 euro.**

**The total value of pads is 309.60 euro.**

**The total value of pens is 175.00 euro.**

**The total value of the entire stock is 484.60 euro.**