Introduction to Computer Science 2

Lab 7: Introduction to Python

Learning Goals:

- To learn how to use python in solving simple tasks.
- To learn how to use classes, lists, and tuples.

Exercise 1 (5 points)

Write a program that creates a class `Customer` (with its constructor) which contains the name of the customer and a list with all his products (names and prices).

1. You should create a function (equal to method in java) that adds new products with their prices to this list.
2. You should create a function that returns all the products of the customer along with their prices.
3. You should create a function that returns only the name of the products that cost more than a specific value.

Exercise 2 (5 points)

A *prime number* is a whole number greater than 1 that cannot be made by multiplying other whole numbers. In other words, it can be divided only with 1 and itself. Write a program that calculates all the prime numbers from $1 - 100$.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Honor code, coding style, and deliverable:

Try to solve the exercises with what you already know. You are welcome to expand your program to do extra things but they are not mandatory.

Plagiarism is not allowed! We will run sophisticated software that automatically detects similarities on source code among students. All plagiarism incidents will be immediately reported to the Board of Examiners

Submission!

Submit your python files to Canvas.
Ask your instructor in case there is a problem with your submission.

DO NOT SEND SUBMISSIONS VIA EMAIL
YOUR LAB WILL NOT GET GRADED!