

LABORATION 2

Group 2

Instructions: Solve the problem described below. Together with the .py file, the group should write a document explaining the solution and any assumptions made.

Report deadline: 2022-12-15

Submit the report as a pdf document by email to pablo.picazo_sanchez@hh.se.

Individual assesment: 2022-12-16

We will make short individual interviews where we will ask students to argue about the solved problems and modify small parts of them. Also, problems and questions related to the lab problem can be given.

Problem Write a program that, given two sets,

1. returns a new set of identical items;
2. returns a new set of items present in at least one of the given sets;
3. returns a set of elements present in `set1` or `set2`, but not both.

The program should not give exactly the same output every time when given the same input. For instance, if the sets are `set1 = {10, 20, 30, 40, 50}` and `set2 = {30, 40, 50, 60, 70}`, then the program could return

1. `{30}`
2. `{10, 20, 40, 60}`
3. `{10, 60}`

or

1. `{30, 40, 50}`
2. `{20, 60, 70}`
3. `{70}`

or ...