Seminar 8
week 8 (20 November 2023 – 24 November 2023)

1. **Complete the discussion about Java functional programming.**
2. **Problem 1: Given the following collection**
    List<Integer> numbers = Arrays.asList(1, 2, 3, 4, 5, 6, 7, 8,9,10,11,12,14,15);
    Using Java functional style (Java streams), please write a program that is doing the following operations in the following order:
    a)keep only the numbers which are multiple of 3 or multiple of 2;
    b)transform each remaining number into a string, that consists of a prefix "A", the successor of the number and the suffix "B"
    (eg. 6 is transformed into "A7B")
    c)concatenate all the strings
3. **Problem 2: Given the following collection**
    List<Integer> numbers = Arrays.asList(1, 2, 3, 4, 5, 6, 7, 8,9,10,11,12,14,15,16);
    Using Java functional style (Java streams), please write a program that is doing the following operations in the following order:
    a)eliminates all the numbers which are not multiple of 4;
    b)transform each remaining number into its succesor (eg. 4 is transformed into 5);
    c)compute the sum modulo 2 of the remaining numbers (eg. (9 +5) mod 2=0)
4. **Discuss the Garbage Collector implementation from lab assignment A4.**
5. **Start the Discussion about the lab asignment A5.**