Workshop #5: **Collection framework**

**Learning Outcomes:**

Upon successful completion of this workshop, you will have demonstrated the abilities to:

* Practice the ArrayList class.
* Practice some basic functions : add, update, remove, display, search,… in the list
* Describe to your instructor what you have learned in completing this workshop.

**Total:** [10 points]

* In this demonstration, ArrayList is used to store a list of students. Student details include: Code, name, mark.

Constraints:

* Each student has a unique code.
* Student code must be in format <S000>, 0 is a digit.
* Student name can not be blank
* Mark: 0..10
* Use package utils to check the validate of input data.

**Requirement to perform:**

* Run the program, the following menu allows user to choose one operation at a time:

(1) Add new student

(2) Search a student based on his/her code.

(3) Update name and mark of a student based on his/her code

(4) Remove a student based on his/her code

(5) List all students.

(6) Exit.

*Note: The List has at least 5 students. The first student is you.*