

SSN College of Engineering
Department of Computer Science and Engineering
UCS1313 – Object Oriented Programming using Java Laboratory
II Year CSE - A Section (III Semester)
Academic Year 2019-20
Exercise - 8 – ArrayList

Objective:

1. To perform operations on ArrayList in Java

Sample Learning Outcome:

1. Usage of ArrayList in Java
2. Perform string operations using ArrayList
3. Perform merge, union, intersection and comparison on ArrayLists

Best Practices:

1. Class Diagram usage
2. Naming convention – for file names, variables
3. Comment usage at proper places
4. Prompt messages during reading input and displaying output
5. Incremental program development
6. Modularity
7. All possible test cases in output

1. Write a program to perform string operations using ArrayList. Write functions for the following
 - a. Append - add at end
 - b. Insert – add at particular index
 - c. Find the index of a particular element (Search)
 - d. Display the list
 - e. List all string starts with given letter
 - f. List of all string contains the Substring
 - g. Sort the elements in ArrayList
 - h. Remove a particular element
 - i. Replace one string with another string in ArrayList
 - j. Remove duplicate elements
2. Write a program to get two integer arraylist. Perform the following operations
 - a. Merge the two lists
 - b. Find Union of two lists
 - c. Find Intersection of two lists
 - d. Compare two lists