

16. Collections

1. Create an ArrayList of type String with 10 string elements. Add 10 string elements to

ArrayList and perform the below operations

Add an element to the ArrayList

Iterate through the ArrayList by using Iterator object

Add an element at a specific index

Remove an element from the ArrayList, Remove at an index

Update the element at a specific index

Check the element is present at a particular index

Get an element at a particular index

Find out the size of the ArrayList

Check the given element is present in the ArrayList

Remove all elements of the ArrayList

2. Create a HashMap with at least 10 key value pairs of the Student ID and Name

Insert a Key value mapping into the map

Fetch the value of a Key

Create a clone/copy of HashMap

Check if the given Key is in the Map

Check if the value is in the Map

Check if the map is empty

Print the size of the Map to the console

Print all the Keys of the map to the console

Print all the Keys of the map to the console

Remove a specific Key-value pair

Copy all the elements of the Map to another Map

3. Create a HashSet with at least 10 elements of type String

Write program covering all the operations of HashSet