**List**

**Exercise 1:**

Create an ArrayList of Employees[id, name, salary, design, dept, country,age] . Define method to manipulate arraylist data.

1. Sort all elements based on country.
2. Display employees aged over 50
3. Find employees from USA
4. Display employees working in dept number 40

**Set**

**Exercise1** :

Create an application which stores the detail of Citizens as [id, name, address, age, email, mobileNo, city, state, country]. All Citizens must be store in ascending order of their address.Also define few utility methods as below

1. Define All basic CRUD Operation as functions
2. Sort citizens by their age and display
3. Find citizens from same state “Maharastra”
4. Display citizens who all are Senior Citizen above 60 age

**MAP**

**Exercise 1:**

Create an application that stores the details of 10 students as a map collection. Map should contain student rollno as key and student details like name, stream, email, mobileNo, age as value object.

Define function to perform all CRUD operation over them as below:

findByName()

findByRollNo()

addNewStudent()

editstudentDetail()

removeStudentDetails()

printStudentDetails(rollno)

printAllStudentDetails()

printStudentDetailsByName(String)