

# Advanced Java Assignments

## Collections

**Objective:** At the end of the assignments, participants will be able to design a client-server application, use collections effectively.

### Concepts: Collections

1. Write a program to add list of student names (Strings) to ArrayList and it should find a particular name whether it exists or not in the list.
2. Create a Product class with Product Id & Product Name. Write a program to accept information of 10 products and store that in HashMap. Search a particular product in the HashMap.

The product list is as follows:

Product Id	Product Name
P001	Maruti800
P002	MarutiZen
P003	MarutiEsteem

3. Implement ArrayList class for this problem
  1. Create an Employee class which will have details like EmployeeNo, EmployeeName and Address. You should pass value for EmployeeNo, EmployeeName and Address through constructor.
  2. Create a method addinput( ) which will add employee details to arraylist.
  3. Create method display( ) which should display all data from arraylist using iterator.

Note : addinput( ) and display( ) should not be member functions of Employee class.

#### 4. Create Phone book

Use HashMap to store 10 phone book entries.  
Display the phonebook