Collections

Concepts: Collections (Make appropriate use of Exceptions Handling)

1. Write a program to add list of student names 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. Write a program having user interface like

   1. accept first name and last name
   2. display total name
   3. exit

   Option A   should accept First Name and last Name from command prompt and save that to LinkedList object

   Option B   it has to display count of names entered in the Linkedlist object alongwith the names.

   This menu should be repeated **till** users selects exit.

   To store first name and surname, create a class Name with these two attributes.

5. Create Phone book having user interface like

   1. Add new phone book(String mobileNo, String name, String email) entry
   2. Search Phone Number on name
   3. Search Phone Number based on pinCode
   4. Quit.

   Option 1   it allows add a phonebook entry.
   Option 2 it has to take name as input from the user based on that it should return phone No
   Option : will terminate the program

   Use HashMap to store phone book entries.