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| Hands-on Exercise Objective |
| After completing the hands-on exercises, you will be able to:   * Develop programs using ArrayList |
| Problem Statement 1:  1. Develop a java class with a method ***storeEvenNumbers(int N)*** using ArrayList to store even numbers from 2 to N, where N is a integer which is passed as a parameter to the method ***storeEvenNumbers().*** The method should return the ArrayList (A1) created. 2. In the same class create a method **printEvenNumbers()**which iterates through the arrayList A1 in step 1, and It should multiply each number with 2 and display it in format 4,8,12….2\*N. and add these numbers in a new ArrayList (A2). Thenew ArrayList (A2) created needs to be returned. 3. Create a method ***retrieveEvenNumber(int N)***  parameter is a number N. This method should search the arrayList (A1) for the existence of the number ‘N’ passed. If exists it should return the Number else return zero.   **Hint:**  Use instance variable for storing the ArrayList A1 and A2.  **NOTE:** You can test the methods using a main method. |