1. **Given a method with two int array list of size 5 each as input. Write code to merge the two array lists, Sort the merged array list in ascending order and fetch the elements at 2nd, 6th and 8th index into a new array lists and return the final ArrayList. Note- the first element is at index 0.**

**Example:**

**Input1: {3,1,11,19,17}**

**Input2: {5,2,6,7,20}**

**Merged array list: {3,1,11,19,17,5,2,6,7,20}**

**Sorted array list: {1,2,3,5,6,7,11,17,19,20}**

**Output: {3,11,19}**

1. Given a method with an int array list as an input. Write code to remove every 3rd element and return the final array list. Suppose the given array list contains 10 elements remove the 3rd, 6th and 9th element.

Example:

Input :{ 3, 1, 11, 19, 17, 19}

Output :{ 3, 1, 19, 17}

1. **Given a method with an ArrayList which contains student information like name and obtained marks of three subject in string format separated with delimiter'-'.**

**Example: "suresh-70-47-12".**

**Write a code to find out a student who scored the highest marks.**

**Example:**

**An ArrayList is given as["sunil-56-88-23","bindul-88-70-10",john-70-49-65"]**

**sunil= 56+88+23=167**

**bindul= 88+70+10=168**

**john= 70+49+65=184**

**Hence, the final result will be john who scored highest marks**

**Collection Assignment**

Ques 1- Enter the Array of Student name & convert it into a List & Search a particular name in List.

Ques 2- Create alinked list and perform following

1. traverse the list

2. add the element at first,last and at a specified position

3.remove an element at first,last ant at aspecified position

4.get the first and element and element at a specified position

Ques 3- Create a list and perform bidirectional traversing on it using listiterator.

Ques 4- Convert array to list and sort.

Ques 5- Enter list of String by command line & Store in ArrayList & Shuffle ArrayList.

Ques 6-ADD & remove sublist into and from an ArrayList. & get the size of ArrayList after every operation.

Ques 7- Remove duplicate items from an ArrayList.

Ques 8- Create an arraylist that stores the emloyeedata(first name,last name,salary) and update a particular record.