1>Write a program which can store List of Integer values and print all the values using a for loop.

```
public class AssignmentTasknew1 {

	//Write a program which can store List of Integer values and print all the values using for loop.

	public static void main(String[] args) {

		ArrayList<Integer> numbers = new ArrayList<Integer>();

		numbers.add(100);
		numbers.add(200);
		numbers.add(300);

		for(int i=0; i<numbers.size(); i++) {

			System.out.println(numbers.get(i));
		}


	}

}
```

Output:
100
200
300

2>Write a program which can store List of Integer values and print all the values using for each loop.

```
import java.util.ArrayList;
//Write a program which can store List of Integer values and print all the values using for each loop

public class AssignmentTasknew {

	public static void main(String[] args) {
		ArrayList<Integer> numbers = new ArrayList<Integer>();
```

```
                numbers.add(100);
                numbers.add(200);
                numbers.add(300);

                for (Integer i : numbers) {
                System.out.println(i);

                }

}
```

Output
100
200
300

3>Write a program which can store List of Integer values and print all the values using for iterator

```
import java.util.ArrayList;
import java.util.Iterator;

public class AssignmentTasknew2 {

        public static void main(String[] args) {
                // Write a program which can store List of Integer values and print all the values using for iterator

                ArrayList<Integer>numbers = new ArrayList<Integer>();

                numbers.add(200);
                numbers.add(300);
                numbers.add(400);

                Iterator itr =numbers.iterator();

                System.out.println(numbers);

        }

}
```

Output:
[200, 300, 400]

4>Write a program which will print the sum of all numbers which are stored in a list.

```
public class AssignmentTasknew3 {

	public static void main(String[] args) {
		// Write a program which will print sum of all numbers which is stored in list

		ArrayList<Integer> numbers = new ArrayList<Integer>();

		numbers.add(4);
		numbers.add(5);
		numbers.add(6);
		int sum = 0;

		// Iterator itr =numbers.iterator();
		// for (int i = 0; i < numbers.size(); i++) {
		//// sum = sum+numbers.get(i);

		for (Integer i : numbers) {

			sum = sum + i;

		}
		System.out.println(sum);
	}

}
```

Output
15

5>Write a program which will pick the values from Array and Store them List.

```
import java.util.Arrays;
import java.util.List;

public class Assignment6 {

	public static void main(String[] args) {
		// Write a program which will pick the values from Array and Store them List.

		//Creating a string Array with days of week

		String [] strarray = {"mon","tues","wed"};
```

```
		//In array class we have a aslist method which will take string array and it will give a list of string

		List<String> daysList=Arrays.asList(strarray);
		System.out.println(daysList);

		}

}
```

Output:
[mon, tues, wed]

6>Create a list of numbers 33,44,55,66,77,88 and perform below operation
Remove second element from list using index
Remove second element from list using value
Add 90 at index 3
Get the length of list
Print all values from list using any values
Convert List into array.

```
import java.util.ArrayList;

public class AssignmentTasknew4 {

	public static void main(String[] args) {
		/*
		 * Create a list of numbers 33,44,55,66,77,88 and perform below operation Remove
		 * Remove second element from list using index Remove second element from list
		 * using value Add 90 at index 3 Get the length of list Print all values from
		 * list using any values Convert List into array
		 */

		ArrayList<Integer> numbers = new ArrayList<Integer>();
		numbers.add(33);
		numbers.add(44);
		numbers.add(55);
		numbers.add(66);
		numbers.add(77);
		numbers.add(88);

		System.out.println(numbers);
```

```
                // numbers.remove(2);
                // System.out.println(numbers);

                // Remove second element from list using value
                for (int i = 0; i < numbers.size(); i++) {
                        if (numbers.get(i) == 55) {

                                numbers.remove(i);

                                System.out.println(numbers);
                        }
                }
                // Add 90 at index 3
                numbers.set(3, 90);
                System.out.println(numbers);

                // Get the length of list

                System.out.println(numbers.size());

                // Convert List into array.

                Integer[] normalarray = new Integer[numbers.size()];

                normalarray = numbers.toArray(normalarray);
                for (int i = 0; i < normalarray.length; i++) {
                        System.out.println(normalarray[i]);

                }

        }

}
```

Output:

```
[33, 44, 55, 66, 77, 88]
[33, 44, 66, 77, 88]
[33, 44, 66, 90, 88]
5
33
44
66
90
88
```

7>Write a program which will display true if list contains Mobile else prints false
List - Web Automation, API Automation, Mobile Automation.
Output – True

```
	public static void main(String[] args) {
		// Write a program which will display true if list contains Mobile else prints
		// false
		// List - Web Automation, API Automation, Mobile  Automation.
		// Output – True

		ArrayList<String> list = new ArrayList<String>();

		list.add("Web Automation");
		list.add("API Automation");
		list.add("Mobile Automation");

		System.out.print(list);
		System.out.println();

		if (list.contains("Mobile Automation")) {
			System.out.println("true");

		}

		else {
			System.out.println("flase");
		}
	}

}
```

Output:
[Web Automation, API Automation, Mobile Automation]
true