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Course:	Digital marketing	USN:	4AL17EC080
Repository name:	Roshni-online	Semester and section:	6 th sem and 'B' sec



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Course:	Java	USN:	4AL17EC080
Topic:		Semester and section:	6th sem and 'B' sec



The Java Collections Framework

* ArrayList :-

```
public class App {
    public static void main (String[] args) {
        ArrayList<Integer> numbers = new ArrayList<Integer>();
        numbers.add(10);
        numbers.add(100);
        numbers.add(40);
        System.out.println(numbers.get(0));
        System.out.println("\n Iteration #1 :");
        for (int i = 0; i < numbers.size(); i++) {
            System.out.println(numbers.get(i));
        }
        System.out.println("\n Iteration #2 :");
        for (Integer value : numbers) {
            System.out.println(value);
        }
        numbers.remove(numbers.size()-1);
        numbers.remove(0);
        System.out.println("\n Iteration #2 :");
        for (Integer value : numbers) {
            System.out.println(value);
        }
        ArrayList<String> values = new ArrayList<String>();
    }
}
```

* Sorting lists.

```
import java.util.ArrayList;
import java.util.List;
```

```
public class App {
    public static void main (String[] args) {
        List<String> animals = new ArrayList<String>();
        animals.add("cat");
        animals.add("lion");
        animals.add("elephant");
        Collections.sort(animals);

        for (String animal : animals) {
            System.out.println(animal);
        }
        List<Integer> numbers = new ArrayList<Integer>();
        numbers.add(3);
        numbers.add(4);
        numbers.add(36);
        numbers.add(12);
    }
}
```