

ArrayList

If we want to create an ArrayList we must create the object of it, because ArrayList is a class in java.

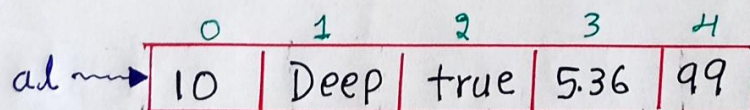
Syntax

```
ArrayList al = new ArrayList();
```

add() is used to add the new element to that particular collection.

Example

```
ArrayList al = new ArrayList();  
al.add(10);  
al.add("Deep");  
al.add(true);  
al.add(5.36);  
al.add(99);
```



Program On ArrayList

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

```
public class ArrayListDemo {  
    public static void main (String [] args) {  
        ArrayList al = new ArrayList();  
        al.add (10);  
        al.add ("Deep");  
        al.add (true);  
        al.add (5.36);  
        al.add (99);  
  
        System.out.println (al); // [10, Deep, true, 5.36, 99]  
        System.out.println (al.get (2)); // true  
  
        al.add (2, "aalia");  
        System.out.println (al); // [10, Deep, aalia, true, 5.36, 99]  
  
        al.set (3, false);  
        System.out.println (al); // [10, Deep, aalia, false, 5.36, 99]  
    }  
}
```



Program On ArrayList

```
import java.util.ArrayList;
public class ArrayListDemo {
    public static void main (String[] args) {
        ArrayList veg = new ArrayList();
        veg.add ("potato");
        veg.add ("onion");

        ArrayList fruits = new ArrayList();
        fruits.add ("mango");
        fruits.add ("banana");
        fruits.add ("papaya");

        ArrayList food = new ArrayList();
        food.addAll (veg);
        food.addAll (fruits);
        System.out.println (food);
    }
}
```

Output

[potato , onion , mango , banana , papaya]



Program To Sort The Elements Present In ArrayList

```
import java.util.ArrayList;  
import java.util.Collections;
```

```
public class ArrayListDemo {  
    public static void main (String [] args) {  
        ArrayList al = new ArrayList();  
        al.add(50);  
        al.add(80);  
        al.add(20);  
        al.add(10);  
  
        System.out.println(al);  
        Collections.sort(al);  
  
        System.out.println(al);  
    }  
}
```

Output

[50, 80, 20, 10]

[10, 20, 50, 80]

