```
=> Horray List
                           (dynamic in nature)
                                      array -> static
arraylist -> dynamic
Note:- AL can only
store objects
```

Ex:- Integer, Boolean, String, Double, Character etc.

Syntex: (Wrapper classes)

ArrayList < DataType > our = new ArrayList < > ();

Array List < Integer> our = new Array List <>(); (> arraylist of size zero Inbuilt function

1) over. size(); // give size of AL

#### 2) add elements in AL

syntex

over. add (val); -> add element at the end of averagalist

```
2) How to access element at index i
```

```
Over.get (index);
```

```
public static void main(String[] args) {
    ArrayList<Integer> arr = new ArrayList<>();
    arr.add(5);
    arr.add(2);
    arr.add(3);
    arr.add(-10);
    System.out.println( arr.size() );
    System.out.println( arr.get(1) );
}
```

## 3) delete elements from avaylist

syntex

# our. remove (index);

```
public static void main(String[] args) {
    ArrayList<Integer> arr = new ArrayList<>();
    arr.add(5);
    arr.add(2);
    arr.add(-10);
    System.out.println( arr.size() );
    System.out.println( arr.get(2) );
    System.out.println( arr.size() );
    System.out.println( arr.size() );
    System.out.println( arr.size() );
    System.out.println( arr.size() );
    System.out.println( arr.get(2) );
```

additionally our. add (index, val); our. add (2, 10);



```
public static void main(String[] args) {
    ArrayList<Integer> arr = new ArrayList<>();
    arr.add(5);
    arr.add(2);
    arr.add(3);
    arr.add(-10);
    System.out.println( arr.get(2) );
    System.out.println( arr.get(2) );
}
```

### -> How to print all elements in AL

```
public static void main(String[] args) {
    ArrayList<Integer> arr = new ArrayList<>();
    arr.add(5);
    arr.add(2);
    arr.add(3);
    arr.add(-10);
    arr.add(2, 7);
    for (int i = 0; i < arr.size(); i++) {
        System.out.print( arr.get(i) + " " );
```

#### **ArrayList Printing**

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    ArrayList<Integer> arr = new ArrayList<>();
    int n = scn.nextInt();
    for (int i = 0; i < n; i++) {
        int val = scn.nextInt();
        arr.add(val);
    }
    // print
    for (int i = 0; i < n; i++) {
        System.out.print(arr.get(i) + " ");
```