Array Deque

Array Deque internally implements a double-ended queue, means it will be ready to add the elements at either end.

We can efficiently add the elements at the front and back end by using Array Deque.

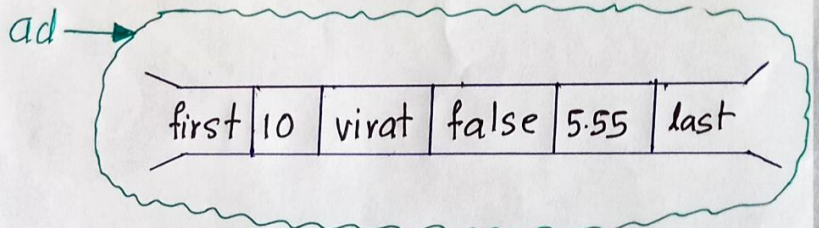## Example

```
ArrayDeque  ad = new ArrayDeque();
ad.add(10);
ad.add("virat");
ad.add(false);
ad.add(5.55);
ad.addFirst("first");
ad.addLast("last");
```


ad → | first | 10 | virat | false | 5.55 | last |

Program On Array Deque

```java
import java.util.*;

public class CollectionsDemo {
    public static void main (String [] args) {
        ArrayDeque   ad = new ArrayDeque ();
        ad.add (10);
        ad.add ("virat");
        ad.add (false);
        ad.add (5.55);
        System.out.println (ad);

        ad.addFirst ("first");
        ad.addLast ("last");

        System.out.println (ad);
    }
}
```

Output

```
[10, virat, false, 5.55]

[first, 10, virat, false, 5.55, last]
```