

## Scanner Class

Scanner class present in "import java.util.\*;" package;

Scanner Object declaration: Scanner s=new Scanner(System.in);

String st=s.next(); // For Single word like "Hello" take data from user at Runtime;

String st=s.nextLine(); // For a Sentence like "I am a boy" from user at runtime;

Char ch=s.next().charAt(0); // For Single Char like 'k' or any char value from user.

## String

String is Immutable Because Create A single Object of same string in Heap Memory ;

String st=s.nextLine();

1.String into char Array Conversion: char a[]=st.toCharArray();

2.Chararray a[] into String conversion: String st=new String(a);

Or String st=String.valueOf(a);

3.Conversion of String into Integer: int k=Integer.parseInt(st.toString());

4. Conversion of Integer into Sting: String st=String.valueOf(n);

# ArrayList

Declaration : `ArrayList<Integer>li=new ArrayList<>();`

For Reverse :

`ArrayList<Integer>li=new ArrayList<>(Collections.reverseOrder());` or  
`Collections.reverse(li);`

For Sorting in Increasing order: `Collections.sort(li);`