

Lab 3

**Object:**

Converting to a String

**Theory:**

There are many operations, which can be performed on a string.

- Java Convert int to String
- Java Convert float to String
- Java Convert long to String
- Java Convert double to String
- Java Convert char to String
- Java Convert Date to String

**Java Convert int to String:**

We can convert **int to String** in **java** using *String.valueOf()* and *Integer.toString()* methods.

It is generally used if we have to display number in textfield because everything is displayed as a string in form.

**Java int to String Example using String.valueOf()**

```

-  /**
    package inttostringexample;

    /**
     *
     * @author YamTech
     */
    public class IntToStringExample {

    -   public static void main(String args[]){
        int i=200;
        String s=String.valueOf(i);
        System.out.println(i+100); //300 because + is binary plus operator
        System.out.println(s+100); //200100 because + is string concatenation operator
        }}

```

Output - IntToStringExample (run) X

```

Updating property file: D:\students work\lectures 2020-2021\JAVA\programs\IntToStringExamp
Compiling 1 source file to D:\students work\lectures 2020-2021\JAVA\programs\IntToStringExa
compile:
run:
300
200100
BUILD SUCCESSFUL (total time: 2 seconds)

```

## Java Convert float to String:

We can convert **float to String** in

**java** using *String.valueOf()* and *Float.toString()* methods.

It is generally used if we have to display float value in textfield because everything is displayed as a string in form.

## Java float to String Example: String.valueOf()

```
public class Floattosttring {  
    public static void main(String args[]){  
        float f=12.3F; //F is the suffix for float  
        String s=String.valueOf(f);  
        System.out.println(s);  
    }  
}
```

Output - Floattosttring (run) X

```
Created dir: D:\students work\lectures 2020-2021\JA  
Created dir: D:\students work\lectures 2020-2021\JA  
Compiling 1 source file to D:\students work\lecture  
compile:  
run:  
12.3  
BUILD SUCCESSFUL (total time: 2 seconds)
```

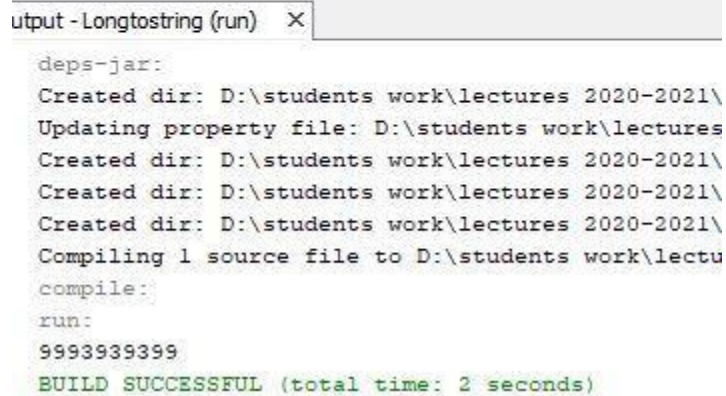
## Java convert long to String:

We can convert **long to String** in **java** using *String.valueOf()* and *Long.toString()* methods.

It is generally used if we have to display long number in textfield in GUI application because everything is displayed as a string in form.

## Java long to String Example using Long.toString()

```
public class Longtostring {  
    public static void main(String args[]){  
        long i=9993939399L;  
        String s=Long.toString(i);  
        System.out.println(s);  
    }  
}
```



```
deps-jar:  
Created dir: D:\students work\lectures 2020-2021\  
Updating property file: D:\students work\lectures  
Created dir: D:\students work\lectures 2020-2021\  
Created dir: D:\students work\lectures 2020-2021\  
Created dir: D:\students work\lectures 2020-2021\  
Compiling 1 source file to D:\students work\lectu  
compile:  
run:  
9993939399  
BUILD SUCCESSFUL (total time: 2 seconds)
```

### Java Convert double to String:

We can convert double to String in java using `String.valueOf()` and `Double.toString()` methods.

It is generally used if we have to display double value in textfield for GUI application because everything is displayed as a string in form.

### Java double to String Example: `Double.toString()`:

```
public class Doubletostring {  
    public static void main(String args[]) {  
        double d=89.7;  
        String s=Double.toString(d);  
        System.out.println(s);  
    }  
}
```

```
Output - Doubletostring (run) X  
deps-jar:  
Created dir: D:\students work\lectures 2020-2021\JAV  
Updating property file: D:\students work\lectures 20  
Created dir: D:\students work\lectures 2020-2021\JAV  
Created dir: D:\students work\lectures 2020-2021\JAV  
Created dir: D:\students work\lectures 2020-2021\JAV  
Compiling 1 source file to D:\students work\lectures  
compile:  
run:  
89.7  
BUILD SUCCESSFUL (total time: 1 second)
```

## Java Convert char to String

We can convert **char to String in java** using *String.valueOf(char)* method of String class and *Character.toString(char)* method of Character class.

### Java char to String Example: String.valueOf() method

```
public class Chartostring {  
    public static void main(String args[]) {  
        char c='S';  
        String s=String.valueOf(c);  
        System.out.println("String is: "+s);  
    }  
}
```

Output - Chartostring (run) X

```
deps-jar:  
Created dir: D:\students work\lectures 2020-2021  
Updating property file: D:\students work\lecture  
Created dir: D:\students work\lectures 2020-2021  
Created dir: D:\students work\lectures 2020-2021  
Created dir: D:\students work\lectures 2020-2021  
Compiling 1 source file to D:\students work\lect  
compile:  
run:  
String is: S  
BUILD SUCCESSFUL (total time: 2 seconds)
```