

String and Wrapper Classes

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Origin

99 % of Java program uses class from following two packages:

- `java.lang`
- `java.util`

More frequently we use `java.lang`

- Wrapper Classes
- String class
- StringBuffer class

Sample classes

- `java.lang.String`
- `java.lang.StringBuffer`
- `java.lang.Character`
- `java.util.StringTokenizer`

Wrapper Classes

int	Integer
short	Short
byte	Byte
long	Long
float	Float
double	Double
char	Character

Integer Class

This class is an object representation of int primitive variable.

Usage:

```
int i=10;
```

```
Integer ii = new Integer( i );
```

.

ii is now an object that contains 10.

```
int val = ii.intValue();
```

.

Given a number as String, to convert to primitive int we use the following:

```
String s = "10 ";
```

```
int val = Integer.parseInt( s );
```

Fundamentals of Character and Strings

Characters:

“Building blocks” of Java source programs.

.....

String:

Series of characters treated as single unit

May include letters, digits, etc.

Object of class String

String Class

The `java.lang.String` class implements following interfaces:

- . `Serializable`,
- . `Comparable` and
- . `CharSequence` .

.....

- > `String` class is immutable
- > We use `StringBuffer` class for Mutable
- > We also have `StringBuilder` class

Constructors

String class provide 9 constructor(s).
-> We shall see in eclipse