Predefined Data Types

boolean

char

byte

short

int

long

float

double

string

Wrapper Class

Boolean

Char

Byte

Short

|  |  |
| --- | --- |
| **Name string** | **Description** |
| char charAt(int index) | Returns character at specified index |
| int compareTo(String a,String b) | Compares two string |
| String concat(String s) | Concatenate to existing string at the end |
| Str1 + Str2 | Concatenates the string |
| String trim() | Removes whites spaces |
| String toUpperCase() | Converts all characters to UpperCase |
| String toLowerCase() | Converts all characters to LowerCase |
| String toString() | Converts to String itself |
| String replace(char old,char new) | Replace character old with new |
| String substring(int begin,int end) | Returns new string a substring of the string |

Int

Long

Float

Double

String

**Name**

|  |  |  |
| --- | --- | --- |
| **Name string…** | **Description** | |
| **int length()** | **Returns length of the string** | |
| **boolean startsWith(String a)** | **Test if the string starts with given string** | |
| **int lastIndexOf(char c)** | **Returns last occurrence of the given character** | |
| **int indexOf(char c)** | **Returns first occurrence of the given character** | |
| **boolean endsWith(String s)** | **Returns true,if the given string ends with the string** | |
| **boolean equalsIgnoreCase(String s)** | **Compares string and ignores the case** | |
| **boolean Character.isDigit(char ch)** | **Returns true if ch is numeric digit between 0 ~ 9** | |
| **boolean Character.isLetter(char ch)** | **Returns true if ch is letter** | |
| **boolean Character.isLetterOrDigit(char ch)** | **Returns true if ch is letter or numeric** | |
| **boolean Character.isLowerCase(char ch)** | **Returns true if ch is lowercase** | |
| **boolean Character.isUpperCase(char ch)** | **Returns true if ch is uppercase** | |
| **Name** | **Description** | |
| char toLowerCase(char ch) | Converts to Lowercase | |
| char toUpperCase(char ch) | Converts to Uppercase | |
| int Integer.parseInt(String s) | Converts s to integer value | |
| short Short.parseShort(String s) | Convert s to short value | |
| double Double.parseDouble(String s) | Converts to double value | |
| **Name for string buffer** | **Description** | |
| append(char a) | Append char a to end of the string | |
| insert(int offset,char a) | Add char a to specified offset location | |
| setCharAt(int index,char a) | Replace char a to specified offset location | |
| Delete(int beg,int end) | Deletes the character from offset beg to end | |
| setLength(int n) | Extends the length of the string | |
| reverse() | Reverses the string | |
| int capacity() | Returns maximum no.of charactes can hold | |
| **String** | **StringBuffer** |
| It is immutable | It is immutable | |
| Once created they cannot be changes | It can be modified,changed at desired time | |
| If any changes occurs in string,then original string remains unchanged and new string will be created | Any changes in string will be modified in the same string and new string will not be created | |