```
String
- value: char[]
- hash: int
- serialVersionUID = -6849794470754667710 : long
- serialPersistentFields : ObjectStreamField[]
+ String()
+ String (original : String)
+ String (value: char[])
+ String (value: char[], offset: int, count: int)
+ String(codepoints: int[], offset : int, count : int)
+ String(ascii:byte, hibyte:int,, offset:int, count:int)
+ String (ascii : int[], hibyte : int)
+ checkBounds(bytes: byte[], offset :int, length : int )
+ String( bytes : byte[], offset : int ,length : int, charsetName : String)
+ String( bytes: byte[], offset :int, length :int, charset : Charset)
+ String (bytes : byte[], charsetName : String)
+ String (bytes : : byte[], charset : Charset)
+ String( bytes: byte[])
+ String( buffer : StringBuffer)
+ String (builder: StringBuilder)
+ String(value: char[], share: Boolean)
+ Length(): int
+ isEmpty(): boolean
+ charAt(index : int): char
+ codepointAt(index : int) : int
+ codepointBefore(index : int) : int
+ codepointCount(beginIndex : int, endIndex : int) : int
+ offsetByCodePoints(index : int, codepointsOffset : int) : int
+ getChars(dst :char[],dstBegin : int): void
+ getChars(srcBegin: int, srcEnd int, dst:char[], dstBegin: int): void
+ getBytes(charsetName: String): byte[]
+ getBytes(charset: Charset)
+ getBytes()
+ equals(anObject: Object) : boolean
+ contentEquals(sb: StringBuffer): boolean
+ contentEquals(cs: CharSequence): boolean
+ equalsIgnoreCase(anotherString: String): boolean
+ compareTo(anotherString: String)
+ compareTolgnoreCase(str: String)
+ regionMatches(toffset: int, other: String, offset: int, len: int): boolean
+ startsWith(prefix: String, toffset: int): boolean
+ endsWith(suffix: String): boolean
+ hashCode():int
```

- + indexOf(str: String) :int
- + lastIndexOf(ch :int, fromIndex: int) :int
- + lastIndexOf(str: String, fromIndex: int) :int
- nonSyncContentEquals(sb: AbstractStringBuilder):int
- indexOfSupplementary(ch :int, fromIndex: int):int
- + static copyValueOf(data:char[]):String
- + static valueOf(d: double) :String
- + replaceFirst(regex: String, replacement: String) :String
- + replaceAll(regex: String, replacement: String) :String
- split(regex: String) :String[]
- + contains(s: CharSequence): boolean
- + toCharArray():char[]
- + toLowerCase():String
- + toUpperCase():String
- + toString():String
- + trim():String

System

- + final static in = null : InputStream + final static out = null :PrintStream + final static err = null : PrintStream
- static volatile security = null : SecurityManager
- static props : Properties- static lineSeparator : String
- + static load(filename : String):void
- + static loadLibrary(libname:String):void
- static initializeSystemClass():void
- static setJavaLangAccess():void
- + static getProperties():Properties
- + static lineSeparator():String
- + static getProperty(key : String):String
- + static clearProperty(key:String):String
- static checkKey(key:String):void
- + static exit(status: int)
- + static gc():void
- + static runFinalization():void
- + static load(String filename):void
- + static loadLibrary(String libname): void
- static initializeSystemClass(): void
- static setJavaLangAccess(): void
- + static setProperty(String key, String value): String

```
PrintStream
- final autoFlush: boolean;
- trouble = false :boolean ;
- formatter : Formatter ;
- textOut: BufferedWriter;
- charOut: OutputStreamWriter;
- static toCharset(csn: String): Charset
- PrintStream(autoFlush: boolean, out:OutputStream): void
- PrintStream(autoFlush:boolean, out: OutputStream, charset:Charset): void
- PrintStream( autoFlush:boolean, charset: Charset , out:OutputStream ): void
+ PrintStream(out:OutputStream): void
+ PrintStream(out: OutputStream, autoFlush: boolean): void
+ PrintStream( out: OutputStream, autoFlush: boolean, encoding: String): void
+ PrintStream( fileName: String): void
+ PrintStream(fileName:String, csn: String): void
+ PrintStream( file:File): void
void ensureOpen(): void
+ flush(): void
+ close(): void
- write( buf: char[]):void
- write(s:String): void
+ write( buf:byte[], off: int , len: int ): void
- newLine(): void
+ print( obj:Object): void
+ println(x:char[]): void
+ println(x:String): void
# setError():void
# clearError(): void
+ println(x:Object): void
+ PrintStream printf(format: String, args: Object ...): void
+ PrintStream printf( I :Locale, format: String, args: Object ... ): void
+ PrintStream format(format:String, args:Object ...): void
+ PrintStream format( I:Locale, format: String, args: Object ...): void
+ PrintStream append( csq:CharSequence): void
+ PrintStream append( csq: CharSequence, start: int , end:int ): void
```

+ PrintStream append(c:char) : void