

The ASCII Subset of Unicode

	0	1	2	3	4	5	6	7
00x	\000	\001	\002	\003	\004	\005	\006	\007
01x	\b	\t	\n	\011	\f	\r	\016	\017
02x	\020	\021	\022	\023	\024	\025	\026	\027
03x	\030	\031	\032	\033	\034	\035	\036	\037
04x	<i>space</i>	!	"	#	\$	%	&	'
05x	()	*	+	,	-	.	/
06x	0	1	2	3	4	5	6	7
07x	8	9	:	;	<	=	>	?
10x	@	A	B	C	D	E	F	G
11x	H	I	J	K	L	M	N	O
12x	P	Q	R	S	T	U	V	W
13x	X	Y	Z	[\]	^	_
14x	`	a	b	c	d	e	f	g
15x	h	i	j	k	l	m	n	o
16x	p	q	r	s	t	u	v	w
17x	x	y	z	{		}	~	\177

The letter A, for example, has the Unicode value 101_8 , which is the sum of the row and column labels.

Useful Methods in the `Character` Class

<code>static boolean isDigit(char ch)</code>
Determines if the specified character is a digit.
<code>static boolean isLetter(char ch)</code>
Determines if the specified character is a letter.
<code>static boolean isLetterOrDigit(char ch)</code>
Determines if the specified character is a letter or a digit.
<code>static boolean isLowerCase(char ch)</code>
Determines if the specified character is a lowercase letter.
<code>static boolean isUpperCase(char ch)</code>
Determines if the specified character is an uppercase letter.
<code>static boolean isWhitespace(char ch)</code>
Determines if the specified character is whitespace (spaces and tabs).
<code>static char toLowerCase(char ch)</code>
Converts ch to its lowercase equivalent, if any. If not, ch is returned unchanged.
<code>static char toUpperCase(char ch)</code>
Converts ch to its uppercase equivalent, if any. If not, ch is returned unchanged.

Useful Methods in the **String** Class

int length()

Returns the length of the string

char charAt(int index)

Returns the character at the specified index. Note: Strings indexed starting at 0.

String substring(int p1, int p2)

Returns the substring beginning at **p1** and extending up to but not including **p2**

String substring(int p1)

Returns substring beginning at **p1** and extending through end of string.

boolean equals(String s2)

Returns true if string **s2** is equal to the receiver string. This is case sensitive.

int compareTo(String s2)

Returns integer whose sign indicates how strings compare in lexicographic order

int indexOf(char ch) or int indexOf(String s)

Returns index of first occurrence of the character or the string, or -1 if not found

String toLowerCase() or String toUpperCase()

Returns a lowercase or uppercase version of the receiver string