

ASCII Code

ASCII, stands for American Standard Code for Information Interchange. It's a 7-bit character code where every single bit represents a unique character. On this webpage you will find 8 bits, 256 characters, ASCII table according to Windows-1252 (code page 1252) which is a superset of ISO 8859-1 in terms of printable characters.

ASCII control characters (character code 0-31)

The first 32 characters in the ASCII-table are unprintable control codes and are used to control peripherals such as printers.

DEC	OCT	HEX	Symbol	Description
0	000	00	NUL	Null char
1	001	01	SOH	Start of Heading
2	002	02	STX	Start of Text
3	003	03	ETX	End of Text
4	004	04	EOT	End of Transmission
5	005	05	ENQ	Enquiry
6	006	06	ACK	Acknowledgment
7	007	07	BEL	Bell
8	010	08	BS	Back Space
9	011	09	HT	Horizontal Tab
10	012	0A	LF	Line Feed
11	013	0B	VT	Vertical Tab
12	014	0C	FF	Form Feed
13	015	0D	CR	Carriage Return
14	016	0E	SO	Shift Out / X-On
15	017	0F	SI	Shift In / X-Off
16	020	10	DLE	Data Line Escape
17	021	11	DC1	Device Control 1 (oft. XON)
18	022	12	DC2	Device Control 2
19	023	13	DC3	Device Control 3 (oft. XOFF)
20	024	14	DC4	Device Control 4
21	025	15	NAK	Negative Acknowledgement
22	026	16	SYN	Synchronous Idle
23	027	17	ETB	End of Transmit Block
24	030	18	CAN	Cancel
25	031	19	EM	End of Medium
26	032	1A	SUB	Substitute
27	033	1B	ESC	Escape
28	034	1C	FS	File Separator
29	035	1D	GS	Group Separator
30	036	1E	RS	Record Separator
31	037	1F	US	Unit Separator

ASCII printable characters (character code 32-127)

Codes 32-127 are common for all the different variations of the ASCII table, they are called printable characters, represent letters, digits, punctuation marks, and a few miscellaneous symbols. You will find almost every character on your keyboard. Character 127 represents the command DEL.

DEC	OCT	HEX	Symbol	Description
32	040	20		Space
33	041	21	!	Exclamation mark
34	042	22	"	Double quotes (or speech marks)
35	043	23	#	Number
36	044	24	\$	Dollar
37	045	25	%	Per cent sign
38	046	26	&	Ampersand
39	047	27	'	Single quote
40	050	28	(Open parenthesis (or open bracket)
41	051	29)	Close parenthesis (or close bracket)
42	052	2A	*	Asterisk
43	053	2B	+	Plus
44	054	2C	,	Comma
45	055	2D	-	Hyphen
46	056	2E	.	Period, dot or full stop
47	057	2F	/	Slash or divide
48	060	30	0	Zero
49	061	31	1	One
50	062	32	2	Two
51	063	33	3	Three
52	064	34	4	Four
53	065	35	5	Five
54	066	36	6	Six
55	067	37	7	Seven
56	070	38	8	Eight
57	071	39	9	Nine
58	072	3A	:	Colon
59	073	3B	;	Semicolon
60	074	3C	<	Less than (or open angled bracket)
61	075	3D	=	Equals
62	076	3E	>	Greater than (or close angled bracket)
63	077	3F	?	Question mark
64	100	40	@	At symbol
65	101	41	A	Uppercase A
66	102	42	B	Uppercase B
67	103	43	C	Uppercase C
68	104	44	D	Uppercase D
69	105	45	E	Uppercase E
70	106	46	F	Uppercase F
71	107	47	G	Uppercase G
72	110	48	H	Uppercase H

DEC	OCT	HEX	Symbol	Description
73	111	49	I	Uppercase I
74	112	4A	J	Uppercase J
75	113	4B	K	Uppercase K
76	114	4C	L	Uppercase L
77	115	4D	M	Uppercase M
78	116	4E	N	Uppercase N
79	117	4F	O	Uppercase O
80	120	50	P	Uppercase P
81	121	51	Q	Uppercase Q
82	122	52	R	Uppercase R
83	123	53	S	Uppercase S
84	124	54	T	Uppercase T
85	125	55	U	Uppercase U
86	126	56	V	Uppercase V
87	127	57	W	Uppercase W
88	130	58	X	Uppercase X
89	131	59	Y	Uppercase Y
90	132	5A	Z	Uppercase Z
91	133	5B	[Opening bracket
92	134	5C	\	Backslash
93	135	5D]	Closing bracket
94	136	5E	^	Caret - circumflex
95	137	5F	_	Underscore
96	140	60	`	Grave accent
97	141	61	a	Lowercase a
98	142	62	b	Lowercase b
99	143	63	c	Lowercase c
100	144	64	d	Lowercase d
101	145	65	e	Lowercase e
102	146	66	f	Lowercase f
103	147	67	g	Lowercase g
104	150	68	h	Lowercase h
105	151	69	i	Lowercase i
106	152	6A	j	Lowercase j
107	153	6B	k	Lowercase k
108	154	6C	l	Lowercase l
109	155	6D	m	Lowercase m
110	156	6E	n	Lowercase n
111	157	6F	o	Lowercase o
112	160	70	p	Lowercase p
113	161	71	q	Lowercase q
114	162	72	r	Lowercase r
115	163	73	s	Lowercase s
116	164	74	t	Lowercase t
117	165	75	u	Lowercase u
118	166	76	v	Lowercase v
119	167	77	w	Lowercase w

DEC	OCT	HEX	Symbol	Description
120	170	78	x	Lowercase x
121	171	79	y	Lowercase y
122	172	7A	z	Lowercase z
123	173	7B	{	Opening brace
124	174	7C		Vertical bar
125	175	7D	}	Closing brace
126	176	7E	~	Equivalency sign - tilde
127	177	7F		Delete

The extended ASCII codes (character code 128-255)

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DEC	OCT	HEX	Symbol	Description
128	200	80	€	Euro sign
129	201	81		
130	202	82	,	Single low-9 quotation mark
131	203	83	ƒ	Latin small letter f with hook
132	204	84	„	Double low-9 quotation mark
133	205	85	...	Horizontal ellipsis
134	206	86	†	Dagger
135	207	87	‡	Double dagger
136	210	88	^	Modifier letter circumflex accent
137	211	89	‰	Per mille sign
138	212	8A	Š	Latin capital letter S with caron
139	213	8B	‹	Single left-pointing angle quotation
140	214	8C	Œ	Latin capital ligature OE
141	215	8D		
142	216	8E	Ž	Latin capital letter Z with caron
143	217	8F		
144	220	90		
145	221	91	‘	Left single quotation mark
146	222	92	’	Right single quotation mark
147	223	93	“	Left double quotation mark
148	224	94	”	Right double quotation mark
149	225	95	•	Bullet
150	226	96	—	En dash
151	227	97	—	Em dash
152	230	98	˘	Small tilde
153	231	99	™	Trade mark sign
154	232	9A	š	Latin small letter S with caron
155	233	9B	›	Single right-pointing angle quotation mark
156	234	9C	œ	Latin small ligature oe
157	235	9D		
158	236	9E	ž	Latin small letter z with caron
159	237	9F	ÿ	Latin capital letter Y with diaeresis
160	240	A0		Non-breaking space
161	241	A1	¡	Inverted exclamation mark
162	242	A2	¢	Cent sign
163	243	A3	£	Pound sign
164	244	A4	¤	Currency sign
165	245	A5	¥	Yen sign
166	246	A6		Pipe, Broken vertical bar
167	247	A7	§	Section sign
168	250	A8	¨	Spacing diaeresis - umlaut
169	251	A9	©	Copyright sign
170	252	AA	ª	Feminine ordinal indicator

DEC	OCT	HEX	Symbol	Description
171	253	AB	«	Left double angle quotes
172	254	AC	¬	Not sign
173	255	AD		Soft hyphen
174	256	AE	®	Registered trade mark sign
175	257	AF	ˉ	Spacing macron - overline
176	260	B0	°	Degree sign
177	261	B1	±	Plus-or-minus sign
178	262	B2	²	Superscript two - squared
179	263	B3	³	Superscript three - cubed
180	264	B4	´	Acute accent - spacing acute
181	265	B5	μ	Micro sign
182	266	B6	¶	Pilcrow sign - paragraph sign
183	267	B7	·	Middle dot - Georgian comma
184	270	B8	¸	Spacing cedilla
185	271	B9	¹	Superscript one
186	272	BA	º	Masculine ordinal indicator
187	273	BB	»	Right double angle quotes
188	274	BC	¼	Fraction one quarter
189	275	BD	½	Fraction one half
190	276	BE	¾	Fraction three quarters
191	277	BF	¿	Inverted question mark
192	300	C0	À	Latin capital letter A with grave
193	301	C1	Á	Latin capital letter A with acute
194	302	C2	Â	Latin capital letter A with circumflex
195	303	C3	Ã	Latin capital letter A with tilde
196	304	C4	Ä	Latin capital letter A with diaeresis
197	305	C5	Å	Latin capital letter A with ring above
198	306	C6	Æ	Latin capital letter AE
199	307	C7	Ç	Latin capital letter C with cedilla
200	310	C8	È	Latin capital letter E with grave
201	311	C9	É	Latin capital letter E with acute
202	312	CA	Ê	Latin capital letter E with circumflex
203	313	CB	Ë	Latin capital letter E with diaeresis
204	314	CC	Ì	Latin capital letter I with grave
205	315	CD	Í	Latin capital letter I with acute
206	316	CE	Î	Latin capital letter I with circumflex
207	317	CF	Ï	Latin capital letter I with diaeresis
208	320	D0	Ð	Latin capital letter ETH
209	321	D1	Ñ	Latin capital letter N with tilde
210	322	D2	Ò	Latin capital letter O with grave
211	323	D3	Ó	Latin capital letter O with acute
212	324	D4	Ô	Latin capital letter O with circumflex
213	325	D5	Õ	Latin capital letter O with tilde
214	326	D6	Ö	Latin capital letter O with diaeresis
215	327	D7	×	Multiplication sign
216	330	D8	Ø	Latin capital letter O with slash
217	331	D9	Ù	Latin capital letter U with grave

DEC	OCT	HEX	Symbol	Description
218	332	DA	Ú	Latin capital letter U with acute
219	333	DB	Û	Latin capital letter U with circumflex
220	334	DC	Ü	Latin capital letter U with diaeresis
221	335	DD	Ý	Latin capital letter Y with acute
222	336	DE	Þ	Latin capital letter THORN
223	337	DF	ß	Latin small letter sharp s - ess-zed
224	340	E0	à	Latin small letter a with grave
225	341	E1	á	Latin small letter a with acute
226	342	E2	â	Latin small letter a with circumflex
227	343	E3	ã	Latin small letter a with tilde
228	344	E4	ä	Latin small letter a with diaeresis
229	345	E5	å	Latin small letter a with ring above
230	346	E6	æ	Latin small letter æ
231	347	E7	ç	Latin small letter c with cedilla
232	350	E8	è	Latin small letter e with grave
233	351	E9	é	Latin small letter e with acute
234	352	EA	ê	Latin small letter e with circumflex
235	353	EB	ë	Latin small letter e with diaeresis
236	354	EC	ì	Latin small letter i with grave
237	355	ED	í	Latin small letter i with acute
238	356	EE	î	Latin small letter i with circumflex
239	357	EF	ï	Latin small letter i with diaeresis
240	360	F0	ð	Latin small letter eth
241	361	F1	ñ	Latin small letter n with tilde
242	362	F2	ò	Latin small letter o with grave
243	363	F3	ó	Latin small letter o with acute
244	364	F4	ô	Latin small letter o with circumflex
245	365	F5	õ	Latin small letter o with tilde
246	366	F6	ö	Latin small letter o with diaeresis
247	367	F7	÷	Division sign
248	370	F8	ø	Latin small letter o with slash
249	371	F9	ù	Latin small letter u with grave
250	372	FA	ú	Latin small letter u with acute
251	373	FB	û	Latin small letter u with circumflex
252	374	FC	ü	Latin small letter u with diaeresis
253	375	FD	ý	Latin small letter y with acute
254	376	FE	þ	Latin small letter thorn
255	377	FF	ÿ	Latin small letter y with diaeresis