ASCII

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What is ASCII?

ASCII is abbreviated from American Standard Code for Information Interchange, is a character encoding standard for electronic communication. ASCII codes represent text in computers, telecommunications equipment, and other devices. Because of technical limitations of computer systems at the time it was invented, ASCII has just 128 code points, of which only 95 are printable characters, which severely limited its scope. Many computer systems instead use Unicode, which has millions of code points, but the first 128 of these are the same as the ASCII set.

The History of ASCII

Sometimes referred to as US-ASCII, ASCII was an American innovation developed in the 1960s. The standard has undergone many revisions since, primarily in 1977 and 1986, when ASCII was last updated.

Extensions and variations have built upon ASCII over the years, mainly to cater for the fact that ASCII omits many characters used, or even required, by languages other than US English. ASCII does not even cater for the UK currency symbol ("£"), although the pound is present in Latin-1, an 8-bit extension developed in the 1980s, which encodes several other currencies too.

What Characters Does ASCII Represent?

To a computer, the letter "A" is just as unfamiliar as the color purple or the feeling of jealousy. Computers deal in ones and zeroes, and it's up to humans to decide how to use those ones and zeroes to represent numbers, words, images, and anything else.

You can think of ASCII as the Morse code of the digital world—the first attempt, anyway. Whilst Morse code is used to represent just 36 different characters (26 letters and 10 digits), ASCII was designed to represent up to 128 different characters in 7 bits of data.

ASCII is case-sensitive, meaning it represents 52 upper and lower case letters from the English alphabet. Alongside the same 10 digits, that's about half the space used.

How does ASCII table look like?

ASCII TABLE

0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8		32 33 34 35 36 37 38 39		64 65 66 67 68		96 97 98 99	
3 3 4 4 5 5 6 6 7 7 8 8		34 35 36 37 38		66 67		98 99	
3 3 4 4 5 5 6 6 7 7 8 8		35 36 37 38		67		99	
4 4 5 5 6 6 7 7 8 8		36 37 38					
5 5 6 6 7 7 8 8		37 38					
6 6 7 7 8 8							
7 7 8 8				69		101	
				70		102	
		39		71		103	
		40		72		104	
		41				105	
10 A		42		74		106	
11 B		43		75		107	
12 C		44		76		108	
13 D		45		77		109	
14 E		46				110	
15 F		47		79		111	
16 10		48				112	
17 11		49		81		113	
18 12		50		82		114	
		51				115	
20 14		52		84		116	
21 15		53				117	
22 16		54				118	
23 17		55		87		119	
24 18						120	
25 19		57		89		121	
26 1A		58				122	
27 1B		59		91		123	
28 10		60		92		124	
29 10		61				125	
		62		94		126	
31 1F		63				127	

THE END

SOURCES OF INFORMATION:-

https://www.makeuseof.com/

https://en.wikipedia.org/wiki/Main_Page

THANK YOU.