

Kiss My ASCII

9-14-17

Anyone familiar with ASCII?

American Standard Code for Information Interchange

The universally recognized raw text format that any computer can understand

001	0x01	^A	013	0x21	!	065	0x41	A	077	0xb1	a
002	0x02	^B	014	0x22	"	066	0x42	B	078	0xb2	b
003	0x03	^C	015	0x23	#	067	0x43	C	079	0xb3	c
004	0x04	^D	016	0x24	\$	068	0x44	D	080	0xb4	d
005	0x05	^E	017	0x25	%	069	0x45	E	081	0xb5	e
006	0x06	^F	018	0x26	&	070	0x46	F	082	0xb6	f
007	0x07	^G	019	0x27	'	071	0x47	G	083	0xb7	g
008	0x08	^H	020	0x28	(	072	0x48	H	084	0xb8	h
009	0x09	^I	021	0x29	)	073	0x49	I	085	0xb9	i
010	0x0a	^J	022	0x2a	*	074	0x4a	J	086	0xba	j
011	0x0b	^K	023	0x2b	+	075	0x4b	K	087	0xbb	k
012	0x0c	^L	024	0x2c	,	076	0x4c	L	088	0xbc	l
013	0x0d	^M	025	0x2d	-	077	0x4d	M	089	0xbd	m
014	0x0e	^N	026	0x2e	.	078	0x4e	N	090	0xbe	n
015	0x0f	^O	027	0x2f	/	079	0x4f	O	091	0xbf	o
016	0x10	^P	028	0x30	0	080	0x50	P	092	0xc0	p
017	0x11	^Q	029	0x31	1	081	0x51	Q	093	0xc1	q
018	0x12	^R	030	0x32	2	082	0x52	R	094	0xc2	r
019	0x13	^S	031	0x33	3	083	0x53	S	095	0xc3	s
020	0x14	^T	032	0x34	4	084	0x54	T	096	0xc4	t
021	0x15	^U	033	0x35	5	085	0x55	U	097	0xc5	u
022	0x16	^V	034	0x36	6	086	0x56	V	098	0xc6	v
023	0x17	^W	035	0x37	7	087	0x57	W	099	0xc7	w
024	0x18	^X	036	0x38	8	088	0x58	X	100	0xc8	x
025	0x19	^Y	037	0x39	9	089	0x59	Y	101	0xc9	y
026	0x1a	^Z	038	0x3a	:	090	0x5a	Z	102	0xca	z
027	0x1b	^[	039	0x3b	;	091	0x5b	[	103	0xcb	{
028	0x1c	^\	040	0x3c	<	092	0x5c	\	104	0xcc	|
029	0x1d	^_	041	0x3d	=	093	0x5d	]	105	0xcd	}
030	0x1e	^`	042	0x3e	>	094	0x5e	^	106	0xce	~
031	0x1f	^{'	043	0x3f	?	095	0x5f	_	107	0xcf	
128	0x80	?	160	0xa0		192	0xc0		224	0xe0	
129	0x81	?	161	0xa1		193	0xc1		225	0xe1	
130	0x82	?	162	0xa2		194	0xc2		226	0xe2	
131	0x83	?	163	0xa3		195	0xc3		227	0xe3	
132	0x84	?	164	0xa4		196	0xc4		228	0xe4	
133	0x85	?	165	0xa5		197	0xc5		229	0xe5	
134	0x86	?	166	0xa6		198	0xc6		230	0xe6	
135	0x87	?	167	0xa7		199	0xc7		231	0xe7	
136	0x88	?	168	0xa8		200	0xc8		232	0xe8	
137	0x89	?	169	0xa9		201	0xc9		233	0xe9	
138	0x8a	?	170	0xaa		202	0xca		234	0xea	
139	0x8b	?	171	0xab		203	0xcb		235	0xeb	
140	0x8c	?	172	0xac		204	0xcc		236	0xec	
141	0x8d	?	173	0xad		205	0xcd		237	0xed	
142	0x8e	?	174	0xae		206	0xce		238	0xee	
143	0x8f	?	175	0xaf		207	0xcf		239	0xef	
144	0x90	?	176	0xb0		208	0xd0		240	0xf0	
145	0x91	?	177	0xb1		209	0xd1		241	0xf1	
146	0x92	?	178	0xb2		210	0xd2		242	0xf2	
147	0x93	?	179	0xb3		211	0xd3		243	0xf3	
148	0x94	?	180	0xb4		212	0xd4		244	0xf4	
149	0x95	?	181	0xb5		213	0xd5		245	0xf5	
150	0x96	?	182	0xb6		214	0xd6		246	0xf6	
151	0x97	?	183	0xb7		215	0xd7		247	0xf7	
152	0x98	?	184	0xb8		216	0xd8		248	0xf8	
153	0x99	?	185	0xb9		217	0xd9		249	0xf9	
154	0x9a	?	186	0xba		218	0xda		250	0xfa	
155	0x9b	?	187	0xbb		219	0xdb		251	0xfb	
156	0x9c	?	188	0xbc		220	0xdc		252	0xfc	
157	0x9d	?	189	0xbd		221	0xdd		253	0xfd	

**Go online and find an
Full ASCII Key**

code.Org

Please log onto code.org

Go to Lesson 7

Open the Internet Simulator & connect with a classmate

Spend a few minutes playing with the settings in the simulator

Bandwidth

Bandwidth is a measure of potential - the transmission capacity.

Latency

Latency is a measure of delay - the amount of time it takes to get from sender to receiver.

Think of it this way

Bandwidth is the diameter of the pipe

Latency is how long it takes the water to get from one end of the pipe to the other.

Internet Simulator

In the Internet Simulator, please uncheck ASCII

One of you is the sender, the other is the receiver

Both of you should have an ASCII key open on one side of
your screen

Senders: Using only ASCII or Binary, transmit your answers
for the following questions to your receiver:

Internet Simulator

What is your name?

What is your favorite flavor of ice cream?

What is your favorite season of the year?

Binary Bingo

4	7	31	14	18
6	15	22	12	6
10	20	12	1	9
8	18	28	26	17
17	11	25	13	16

Homework

Answer Questions 3,4,5,6,& 7 at the end of lesson 7 in
code.org