

## What is ASCII?

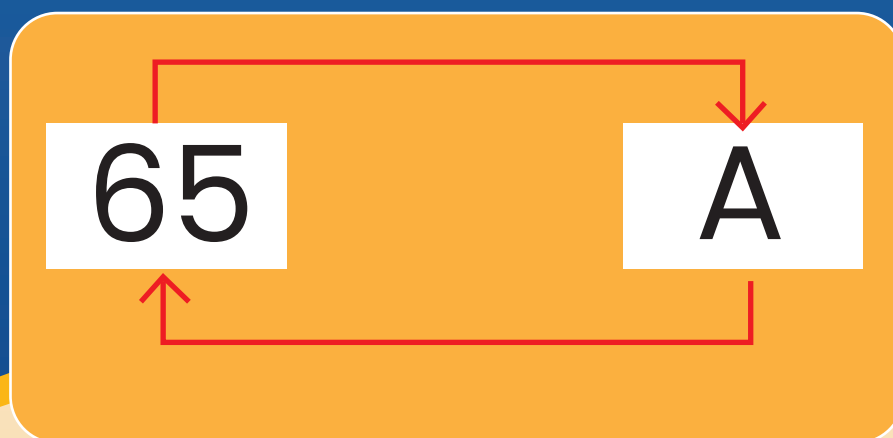
ASCII stands for –

**A**merican **S**tandard **C**ode for **I**nformation **I**nterchange

It is a set of 128 characters used to represent characters in the English language and other languages. ASCII characters are alphanumeric characters and are used to represent the English language. Each of the ASCII characters has a value between 0 and 127. ASCII characters are used for communication between computers and devices. They are used in electrical and electronic devices.

They are used in the following fields:

- Computer communication
- The transmission of data over the internet
- In chat rooms



Here 65 is ASCII code of A. 65 always represents A.

# ASCII TABLE

Char = Charecter  
Dec = Decimal value  
Hx = Hexadecimal value

Dec	Hx	Char
0	0	NUL (null)
1	1	SOH (start of heading)
2	2	STX (start of text)
3	3	ETX (end of text)
4	4	EOT (end of transmission)
5	5	ENO (enquiry)
6	6	ACK (acknowledge)
7	7	BEL (bell)
8	8	BS (backspace)
9	9	TAB (horizontal tab)
10	A	LF (NL line feed, new line)
11	B	VT (vertical tab)
12	C	FF (NP form feed, new page)
13	D	CR (carriage return)
14	E	SO (shift out)
15	F	SI (shift in)
16	10	DLE (data link escape)
17	11	DC1 (device control 1)
18	12	DC2 (device control 2)
19	13	DC3 (device control 3)
20	14	DC4 (device control 4)
21	15	NAK (negative acknowledge)
22	16	SYN (synchronous idle)
23	17	ETB (end of trans, block)
24	18	CAN (cancel)
25	19	EM (end of medium)

Dec	Hx	Char
26	1A	SUB (substitute)
27	1B	ESC(escape)
28	1C	FS(file separator)
29	1D	GS(group separator)
30	1E	RS(record separator)
31	1F	US(unit separator)
32	20	space
33	21	!
34	22	“
35	23	#
36	24	\$
37	25	%
38	26	&
39	27	‘
40	28	(
41	29	)
42	2A	*
43	2B	+
44	2C	,
45	2D	-
46	2E	.
47	2F	/
48	30	0
49	31	1
50	32	2
51	33	3

# ASCII TABLE

Char = Charecter  
Dec = Decimal value  
Hx = Hexadecimal value

Dec	Hx	Char
52	34	4
53	35	5
54	36	6
55	37	7
56	38	8
57	39	9
58	3A	:
59	3B	;
60	3C	<
61	3D	=
62	3E	>
63	3F	?
64	40	@
65	41	A
66	42	B
67	43	C
68	44	D
69	45	E
70	46	F
71	47	G
72	48	H
73	49	I
74	4A	J
75	4B	K
76	4C	L
77	4D	M

Dec	Hx	Char
78	4E	N
79	4F	O
80	50	P
81	51	Q
82	52	R
83	53	S
84	54	T
85	55	U
86	56	V
87	57	W
88	58	X
89	59	Y
90	5A	Z
91	5B	[
92	5C	\
93	5D	]
94	5E	^
95	5F	_
96	60	`
97	61	a
98	62	b
99	63	c
100	64	d
101	65	e
102	66	f
103	67	g

# ASCII TABLE

Char = Charecter  
Dec = Decimal value  
Hx = Hexadecimal value

Dec	Hx	Char
104	68	h
105	59	i
106	6A	j
107	6B	k
108	6C	l
109	6D	m
110	6E	n
111	6F	o
112	70	p
113	71	q
114	72	r
115	73	s

Dec	Hx	Char
116	74	t
117	75	u
118	76	v
119	77	w
120	78	x
121	79	y
122	7A	z
123	7B	{
124	7C	
125	7D	}
126	7E	~
127	7F	Del

This is just for an example and future reference,  
you don't have to memorize this.