

## Character codes from 0 to 127.

DEC	HEX	CHARACTER	DEC	HEX	CHAR	DEC	HEX	CHAR
0	00	NULL	48	30	0	96	60	`
1	01		49	31	1	97	61	a
2	02		50	32	2	98	62	b
3	03		51	33	3	99	63	c
4	04		52	34	4	100	64	d
5	05		53	35	5	101	65	e
6	06		54	36	6	102	66	f
7	07	BELL	55	37	7	103	67	g
8	08	BACKSPACE	56	38	8	104	68	h
9	09	TABULATOR	57	39	9	105	69	i
10	0A	NEWLINE, LF	58	3A	:	106	6A	j
11	0B		59	3B	;	107	6B	k
12	0C		60	3C	<	108	6C	l
13	0D	CR	61	3D	=	109	6D	m
14	0E		62	3E	>	110	6E	n
15	0F		63	3F	?	111	6F	o
16	10		64	40	@	112	70	p
17	11		65	41	A	113	71	q
18	12		66	42	B	114	72	r
19	13		67	43	C	115	73	s
20	14		68	44	D	116	74	t
21	15		69	45	E	117	75	u
22	16		70	46	F	118	76	v
23	17		71	47	G	119	77	w
24	18		72	48	H	120	78	x
25	19		73	49	I	121	79	y
26	1A		74	4A	J	122	7A	z
27	1B	ESCAPE	75	4B	K	123	7B	{
28	1C		76	4C	L	124	7C	
29	1D		77	4D	M	125	7D	}
30	1E		78	4E	N	126	7E	~
31	1F		79	4F	O	127	7F	DELETE
32	20	SPACE	80	50	P			
33	21	!	81	51	Q			
34	22	"	82	52	R			
35	23	#	83	53	S			
36	24	\$	84	54	T			
37	25	%	85	55	U			
38	26	&	86	56	V			
39	27	'	87	57	W			
40	28	(	88	58	X			
41	29	)	89	59	Y			
42	2A	*	90	5A	Z			
43	2B	+	91	5B	[			
44	2C	,	92	5C	\			
45	2D	-	93	5D	]			
46	2E	.	94	5E	^			
47	2F	/	95	5F	_			

In the first column:  
LF = Line Feed  
CR = Carriage Return

**Numbers expressed in different numbering systems.**

DEC	HEX	BINARY	DEC	HEX	BINARY
0	00	0000 0000	48	30	0011 0000
1	01	0000 0001	49	31	0011 0001
2	02	0000 0010	50	32	0011 0010
3	03	0000 0011	51	33	0011 0011
4	04	0000 0100			
5	05	0000 0101	...		
6	06	0000 0110			
7	07	0000 0111	61	3D	0011 1101
8	08	0000 1000	62	3E	0011 1110
9	09	0000 1001	63	3F	0011 1111
10	0A	0000 1010	64	40	0100 0000
11	0B	0000 1011	65	41	0100 0001
12	0C	0000 1100	66	42	0100 0010
13	0D	0000 1101	67	43	0100 0011
14	0E	0000 1110			
15	0F	0000 1111	...		
16	10	0001 0000			
17	11	0001 0001	126	7E	0111 1110
18	12	0001 0010	127	7F	0111 1111
19	13	0001 0011	128	80	1000 0000
20	14	0001 0100	129	81	1000 0001
21	15	0001 0101	130	82	1000 0010
22	16	0001 0110			
23	17	0001 0111	...		
24	18	0001 1000			
25	19	0001 1001	254	FE	1111 1110
26	1A	0001 1010	255	FF	1111 1111
27	1B	0001 1011	256	100	0001 0000 0000
28	1C	0001 1100	257	101	0001 0000 0001
29	1D	0001 1101	258	102	0001 0000 0010
30	1E	0001 1110			
31	1F	0001 1111	...		
32	20	0010 0000			
33	21	0010 0001	510	1FE	0001 1111 1110
34	22	0010 0010	511	1FF	0001 1111 1111
35	23	0010 0011	512	200	0010 0000 0000
36	24	0010 0100	513	201	0010 0000 0001
37	25	0010 0101			
38	26	0010 0110	...		
39	27	0010 0111			
40	28	0010 1000	1022	3FE	0011 1111 1110
41	29	0010 1001	1023	3FF	0011 1111 1111
42	2A	0010 1010	1024	400	0100 0000 0000
43	2B	0010 1011	1025	401	0100 0000 0001
44	2C	0010 1100	1026	402	0100 0000 0010
45	2D	0010 1101			
46	2E	0010 1110	...		
47	2F	0010 1111			

**Important numbers in computing.**

$2^n$	DECIMAL	HEX	"slang"
$2^0$	1	1H	
$2^1$	2	2H	
$2^2$	4	4H	
$2^3$	8	8H	
$2^4$	16	10H	
$2^5$	32	20H	
$2^6$	64	40H	
$2^7$	128	80H	
$2^8$	256	100H	
$2^9$	512	200H	
$2^{10}$	1024	400H	1 k
$2^{11}$	2048	800H	2 k
$2^{12}$	4096	1000H	4 k
$2^{13}$	8192	2000H	8 k
$2^{14}$	16384	4000H	16 k
$2^{15}$	32768	8000H	32 k
$2^{16}$	65536	10000H	64 k
$2^{17}$	131072	20000H	128 k
$2^{18}$	262144	40000H	256 k
$2^{19}$	524288	80000H	512 k
$2^{20}$	1048576	100000H	1 M
$2^{21}$	2097152	200000H	2 M
$2^{22}$	4194304	400000H	4 M
$2^{23}$	8388608	800000H	8 M
$2^{24}$	16777216	1000000H	16 M
$2^{25}$	33554432	2000000H	32 M
$2^{26}$	67108864	4000000H	64 M
$2^{27}$	134217728	8000000H	128 M
$2^{28}$	268435456	10000000H	256 M
$2^{29}$	536870912	20000000H	512 M
$2^{30}$	1073741824	40000000H	1 G

These are sample pages from Kari Laitinen's book  
 "A Natural Introduction to Computer Programming with C#".  
 For more information, please visit  
<http://www.naturalprogramming.com/csbook.html>