

Princeton University

COS 217: Introduction to Programming Systems

The ASCII Code

ASCII	Rep.	in C	Character	ASCII	Rep.	in C	Character	ASCII	Rep.	in C	Character			
00000000	0	0x00	'\0'	null	00111010	58	0x3a	':'	:	01011101	93	0x5d	']']
00000111	7	0x07	'\a'	bell	00111011	59	0x3b	';'	;	01011110	94	0x5e	'^'	^
00001000	8	0x08	'\b'	backspace	00111100	60	0x3c	'<'	<	01011111	95	0x5f	'_'	_
00001001	9	0x09	'\t'	horiz tab	00111101	61	0x3d	'='	=	01100000	96	0x60	'`'	`
00001010	10	0x0a	'\n'	line feed	00111110	62	0x3e	'>'	>	01100001	97	0x61	'a'	a
00001011	11	0x0b	'\v'	vert tab	00111111	63	0x3f	'?'	?	01100010	98	0x62	'b'	b
00001100	12	0x0c	'\f'	form feed	01000000	64	0x40	'@'	@	01100011	99	0x63	'c'	c
00001101	13	0x0d	'\r'	car. ret	01000001	65	0x41	'A'	A	01100100	100	0x64	'd'	d
00100000	32	0x20	' '	space	01000010	66	0x42	'B'	B	01100101	101	0x65	'e'	e
00100001	33	0x21	'!'	!	01000011	67	0x43	'C'	C	01100110	102	0x66	'f'	f
00100010	34	0x22	'\"'	"	01000100	68	0x44	'D'	D	01100111	103	0x67	'g'	g
00100011	35	0x23	'#'	#	01000101	69	0x45	'E'	E	01101000	104	0x68	'h'	h
00100100	36	0x24	'\$'	\$	01000110	70	0x46	'F'	F	01101001	105	0x69	'i'	i
00100101	37	0x25	'%'	%	01000111	71	0x47	'G'	G	01101010	106	0x6a	'j'	j
00100110	38	0x26	'&'	&	01001000	72	0x48	'H'	H	01101011	107	0x6b	'k'	k
00100111	39	0x27	'\''	'	01001001	73	0x49	'I'	I	01101100	108	0x6c	'l'	l
00101000	40	0x28	'('	(	01001010	74	0x4a	'J'	J	01101101	109	0x6d	'm'	m
01001001	41	0x29	')'	)	01001011	75	0x4b	'K'	K	01101110	110	0x6e	'n'	n
00101010	42	0x2a	'*'	*	01001100	76	0x4c	'L'	L	01101111	111	0x6f	'o'	o
00101011	43	0x2b	'+'	+	01001101	77	0x4d	'M'	M	01110000	112	0x70	'p'	p
00101100	44	0x2c	','	,	01001110	78	0x4e	'N'	N	01110001	113	0x71	'q'	q
00101101	45	0x2d	'-'	-	01001111	79	0x4f	'O'	O	01110010	114	0x72	'r'	r
00101110	46	0x2e	'.'	.	01010000	80	0x50	'P'	P	01110011	115	0x73	's'	s
00101111	47	0x2f	'/'	/	01010001	81	0x51	'Q'	Q	01110100	116	0x74	't'	t
00110000	48	0x30	'0'	0	01010010	82	0x52	'R'	R	01110101	117	0x75	'u'	u
00110001	49	0x31	'1'	1	01010011	83	0x53	'S'	S	01110110	118	0x76	'v'	v
00110010	50	0x32	'2'	2	01010100	84	0x54	'T'	T	01110111	119	0x77	'w'	w
00110011	51	0x33	'3'	3	01010101	85	0x55	'U'	U	01111000	120	0x78	'x'	x
00110100	52	0x34	'4'	4	01010110	86	0x56	'V'	V	01111001	121	0x79	'y'	y
00110101	53	0x35	'5'	5	01010111	87	0x57	'W'	W	01111010	122	0x7a	'z'	z
00110110	54	0x36	'6'	6	01011000	88	0x58	'X'	X	01111011	123	0x7b	'{'	{
00110111	55	0x37	'7'	7	01011001	89	0x59	'Y'	Y	01111100	124	0x7c	'|'	|
00111000	56	0x38	'8'	8	01011010	90	0x5a	'Z'	Z	01111101	125	0x7d	'}'	}
00111001	57	0x39	'9'	9	01011011	91	0x5b	'['	[	01111110	126	0x7e	'~'	~
					01011100	92	0x5c	'\\'	\					