

C Programming Language

CHARACTER SET



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What is C Character set?

C Character set is a collection of characters supported in C programming language.

C Programming language has a rich set of characters which are used to construct c program instructions.

What does C Character Set contains?

Alphabets

- C Language supports all alphabets of English. It supports both UPPERCASE & lowercase letters

Digits

- C Language supports 10 digits to construct numbers. Those 10 digits are 0,1,2,3,4,5,6,7,8,9

Special Symbols

- C supports a rich set of special symbols that include symbols to perform mathematical operations, condition checking, white space, back space, etc...

Commonly used Special Symbols with ASCII Values

These are Control Characters

ASCII Value	Character	Meaning
0	NULL	null
1	SOH	Start of header
2	STX	start of text
3	ETX	end of text
4	EOT	end of transaction
5	ENQ	enquiry
6	ACK	acknowledgement
7	BEL	bell
8	BS	back Space
9	HT	Horizontal Tab
10	LF	Line Feed
11	VT	Vertical Tab
12	FF	Form Feed
13	CR	Carriage Return
14	SO	Shift Out
15	SI	Shift In
16	DLE	Data Link Escape
17	DC1	Device Control 1
18	DC2	Device Control 2
19	DC3	Device Control 3

These are Printable Characters

ASCII Value	Character	ASCII Value	Character	ASCII Value	Character
32	Space	64	@	96	`
33	!	65	A	97	a
34	"	66	B	98	b
35	#	67	C	99	c
36	\$	68	D	100	d
37	%	69	E	101	e
38	&	70	F	102	f
39		71	G	103	g
40	(	72	H	104	h
41	)	73	I	105	i
42	*	74	J	106	j
43	+	75	K	107	k
44	,	76	L	108	l
45	-	77	M	109	m
46	.	78	N	110	n
47	/	79	O	111	o
48	0	80	P	112	p
49	1	81	Q	113	q
50	2	82	R	114	r
51	3	83	S	115	s

Note

- In C Programming Language, the character set follow ASCII (American Standard Code for Information Interchange) code text format.
- Every character in C language has the respective ASCII value which is used to convert a character into Binary language.

Thank You!

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