

# Day15 A

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- 1 Based on
- 2 C Strings (2) String Library Functions
  - Overview

## "C How to Program", Paul Deitel and Harvey Deitel

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## A. Character Handling Functions

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isdigit	is the character a digit?
isalpha	is the character an alphabet?
isalnum	is the character an alphabet or a number?
isxdigit	is the character a hexa digit?

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islower	is the character a lowercase letter?
isupper	is the character a uppercase letter?
tolower	convert to a lowercase letter
toupper	convert to a uppercase letter

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isspace	is the character a white space?
iscntrl	is the character a control character?
ispunct	is the character a punctuation character?
isprint	is the character a printable character?
isgraph	is the character a grphic character?

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## B. String Conversion Functions

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strtod	string to double
strtol	string to long
strtoul	string to unsigned long

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## C. Standard Input/Output Library Functions

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fgets	get a string
putchar	put a character
getchar	get a character

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sprintf	printf to a string
sscanf	scanf from a string

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## D. String Manipulation Functions

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strcpy	string copy
strncpy	string copy only n characters

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strcat	string concatenate
strncat	string concatenate only n characters

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## E. String Compare Functions

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strcmp	string compare
strncmp	string compare only n characters

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## F. String Search Functions

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strchr	search a character in the string (1st occurrence)
strrchr	search a character in the string (last occurrence)
strspn	the length of a span only with the characters in the string
strcspn	the length of a span not with the characters in the string
strpbrk	the break point with the characters in the string
strstr	search a substring in the string
strtok	break the string by the token (delimiter)

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strrchr **r** reverse strchr

strcspn **c** complementary strspn

## G. Memory Functions

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memcpy	copy memory elements
memmove	move memory elements
memchr	character in memory elements
memset	set memory elements with the character

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## H. Other String Functions

strerror  
strlen