Union.c

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| --- |
| Write a program that takes two strings and displays, without doubles, the characters that appear in either one of the strings. |
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| --- |
| The display will be in the order characters appear in the command line, and will be followed by a \n. If the number of arguments is not 2, the program displays \n. |
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| --- |
| Example: |

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| --- |
| $>./union zpadinton "paqefwtdjetyiytjneytjoeyjnejeyj" | cat -e |

|  |
| --- |
| zpadintoqefwjy$ |

|  |
| --- |
| $>./union ddf6vewg64f gtwthgdwthdwfteewhrtag6h4ffdhsd | cat -e |

|  |
| --- |
| df6vewg4thras$ |

|  |
| --- |
| $>./union "rien" "cette phrase ne cache rien" | cat -e |

|  |
| --- |
| rienct phas$ |

|  |
| --- |
| $>./union | cat -e |

|  |
| --- |
| $ |

|  |
| --- |
| $> |

|  |
| --- |
| $>./union "rien" | cat -e |

|  |
| --- |
| $ |

$>\*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | #include <unistd.h> | | static void \_putchar(char c) | |  |  | | --- | | { |  |  | | --- | | write(1, &c, 1); |  |  | | --- | | } |  |  | | --- | |  |  |  | | --- | | static int \_contain\_until(char c, const char \*s, int max\_i) |  |  | | --- | | { |  |  | | --- | | int i; | | i = 0; | |  |  | | --- | | while (i < max\_i && s[i]) |  |  | | --- | | { |  |  | | --- | | if (s[i] == c) |  |  | | --- | | return (1); |  |  | | --- | | i++; |  |  | | --- | | } |  |  | | --- | | return (0); |  |  | | --- | | } | |  |  |  | | --- | | static void \_union(const char \*s1, const char \*s2) |  |  | | --- | | { |  |  | | --- | | int i; |  |  | | --- | | i = 0; |  |  | | --- | | while(s1[i]) |  |  | | --- | | { |  |  | | --- | | if (!\_contain\_until(s1[i], s1, i)) |  |  | | --- | | \_putchar(s1[i]); |  |  | | --- | | i++; |  |  | | --- | | } |  |  | | --- | | i = 0; |  |  | | --- | | while(s2[i]) |  |  | | --- | | { |  |  | | --- | | if (!\_contain\_until(s2[i], s2, i) && !\_contain\_until(s2[i], s1, 10000)) |  |  | | --- | | \_putchar(s2[i]); |  |  | | --- | | i++; |  |  | | --- | | } |  |  | | --- | | } | | int main(int argc, char \*argv[]) | |  |  | | --- | | { |  |  | | --- | | if (argc == 3) |  |  | | --- | | \_union(argv[1], argv[2]); |  |  | | --- | | \_putchar('\n'); |  |  | | --- | | return (0); |   } | |  | | --- | | #include <unistd.h> |  |  | | --- | | int main (int argc, char \*argv[]) |  |  | | --- | | { |  |  | | --- | | int used[255]; |  |  | | --- | | int i, j; | |  |  |  | | --- | | if (argc == 3) |  |  | | --- | | { |  |  | | --- | | i = 0; |  |  | | --- | | while (i < 255) |  |  | | --- | | used[i++] = 0; |  |  | | --- | | i = 1; |  |  | | --- | | while(argv[i]) |  |  | | --- | | { |  |  | | --- | | j = 0; |  |  | | --- | | while(argv[i][j]) |  |  | | --- | | { |  |  | | --- | | if (!used[(int)argv[i][j]]) |  |  | | --- | | { |  |  | | --- | | used[(int)argv[i][j]] = 1; |  |  | | --- | | write(1, &argv[i][j], 1); |  |  | | --- | | } |  |  | | --- | | ++j; |  |  | | --- | | } |  |  | | --- | | ++i; |  |  | | --- | | } |  |  | | --- | | } |  |  | | --- | | write(1, "\n", 1); |  |  | | --- | | return (0); |   } |