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BATCH:B1

C-programming:

#include <stdio.h>

int stringLength(const char \*str) {

int length = 0;

while (str[length] != '\0') {

length++;

}

return length;

}

void stringCopy(char \*dest, const char \*src) {

int i = 0;

while (src[i] != '\0') {

dest[i] = src[i];

i++;

}

dest[i] = '\0';

}

int stringCompare(const char \*str1, const char \*str2) {

int i = 0;

while (str1[i] == str2[i]) {

if (str1[i] == '\0')

break;

i++;

}

char cmp=str1[i] - str2[i];

if (cmp == 0)

printf("The two strings are equal.\n");

else if (cmp < 0)

printf("The string1 is less than the string2.\n");

else

printf("The string1 is greater than the string2.\n");

return cmp;

}

void stringConcat(char \*dest, const char \*src) {

int dest\_len = stringLength(dest);

int i = 0;

while (src[i] != '\0') {

dest[dest\_len + i] = src[i];

i++;

}

dest[dest\_len + i] = '\0';

}

int main() {

char str1[100], str2[100], result[200];

printf("Enter the string1: ");

scanf("%s", str1);

printf("Enter the string2: ");

scanf("%s", str2);

int length = stringLength(str1);

printf("Length of the first string: %d\n", length);

stringCopy(result, str1);

printf("Copied string (string 1): %s\n", result);

stringCompare(str1, str2);

stringConcat(str1, str2);

printf("Concat of both the strings: %s\n", str1);

return 0;

}

Output:





