STRING

1. Write a C program to compare two strings.

#include <stdio.h>

#include <string.h>

int main() {

char str1[100], str2[100];

printf("Enter the first string: ");

gets(str1);

printf("Enter the second string: ");

gets(str2);

if (strcmp(str1, str2) == 0) {

printf("Strings are equal.\n");

} else {

printf("Strings are not equal.\n");

}

return 0;

}

2. Write a C program to concatenate two strings.

#include <stdio.h>

#include <string.h>

int main() {

char str1[100], str2[100];

printf("Enter the first string: ");

gets(str1);

printf("Enter the second string: ");

gets(str2);

strcat(str1, str2);

printf("Concatenated string: %s\n", str1);

return 0;

}

3. Write a C program to print the reverse of a string.

#include <stdio.h>

#include <string.h>

int main() {

char str[100];

printf("Enter a string: ");

gets(str);

int length = strlen(str);

printf("Reverse of the string: ");

for (int i = length - 1; i >= 0; i--) {

printf("%c", str[i]);

}

printf("\n");

return 0;

}

4. Write a C program to find the 3rd element of a string.

#include <stdio.h>

int main() {

char str[100];

printf("Enter a string: ");

gets(str);

if (strlen(str) >= 3) {

printf("The 3rd element of the string is: %c\n", str[2]);

} else {

printf("String is too short to have a 3rd element.\n");

}

return 0;

}