1. **Copy one string to another using recursion**

**Code:**

#include <stdio.h>

void stringCopy(char \*source, char \*destination) {

if (\*source == '\0') {

\*destination = '\0';

return;

}

\*destination = \*source;

stringCopy(source + 1, destination + 1);

}

int main() {

char source[100], destination[100];

printf("Enter a string: ");

scanf("%s", source);

stringCopy(source, destination);

printf("Original string: %s\n", source);

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

return 0;

}

**Output:**

Enter a string: SAVEETHA

Original string: SAVEETHA

Copied string: SAVEETHA

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Process exited after 45.57 seconds with return value 0

Press any key to continue . . .

