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Practical 07

Inputs:

1. String – A string input by the user

Outputs:

1. String - The reversed version of the input string

Variables:

1. **Input Variables**:

   o inputString - Data Type: BYTE, Size: 100 bytes

2. **Output Variables**:

   o reversedStr - Data Type: BYTE, Size: 100 bytes

Algorithm:

1. **Main Procedure**:

   o Prompt the user to enter a string.

   o Store the input string in inputString.

   o Call the replaceCharacters function to perform character replacement.

   o Call the reverseString function to reverse the input string.

   o Display the reversed string.

Flowchart:

```
┌─────────────────────┐
│    Start Program     │
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│   Prompt for input   │
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│   Read user input    │
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│ Call replaceCharacter│
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│  Call reverseString  │
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│   Output reversed    │
│       String         │
└─────────────────────┘
           │
           ▽
┌─────────────────────┐
│    End Program       │
└─────────────────────┘
```