**Data Structures and Algorithms**

**Lab Report**

**Lab07**



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| Group Members Name & Reg #: | **Muhammad Haris Irfan**  **(FA18-BCE-090)** |
|  |  |
| Class | Data Structures and Algorithms CSC211 (**BCE-3B**) |
| Instructor’s Name | Dilshad Sabir |

**In Lab Tasks**

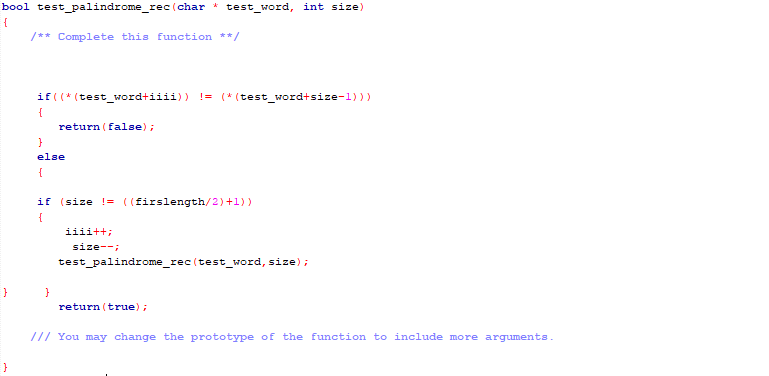
**Task:1**

**Convert the following iterative function to a recursive one.**

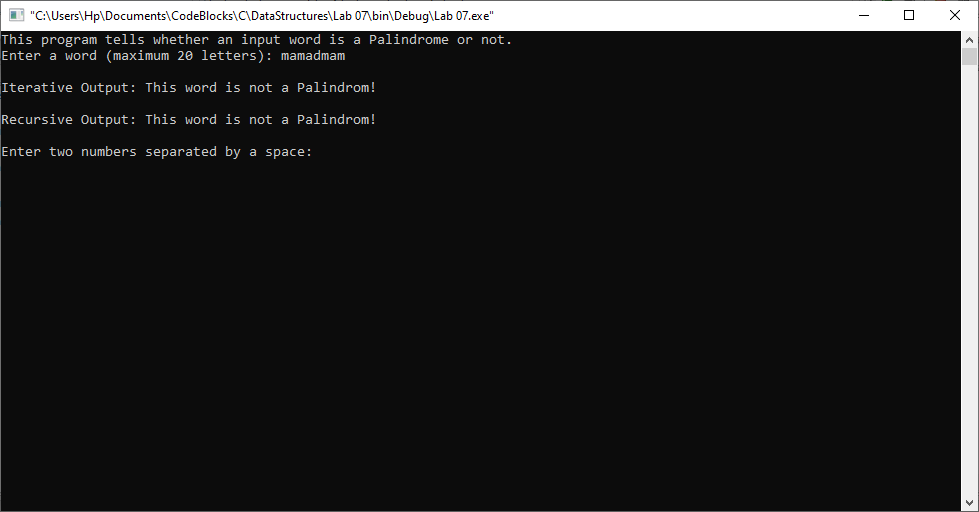
**Solution:**

The code is shown below,

Code:

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The Result of the following code is attached below:



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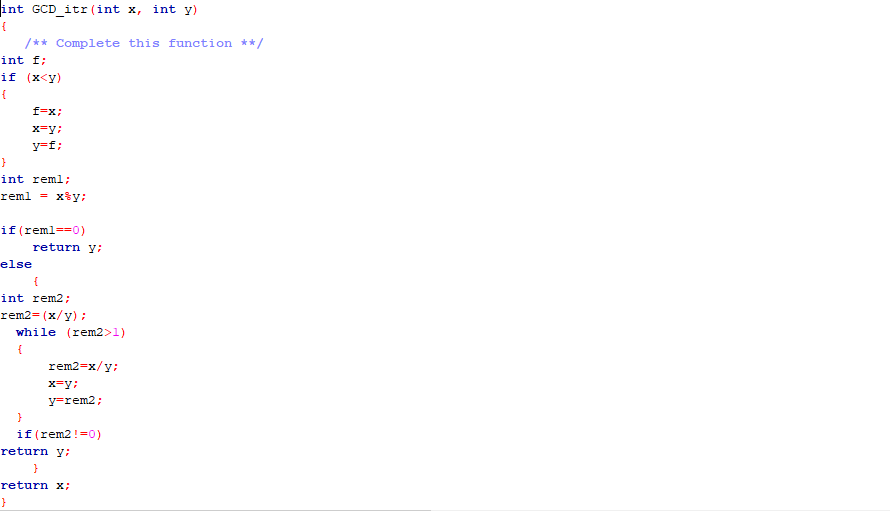
**Task:2**

**Convert the following recursive function to iterative one.**

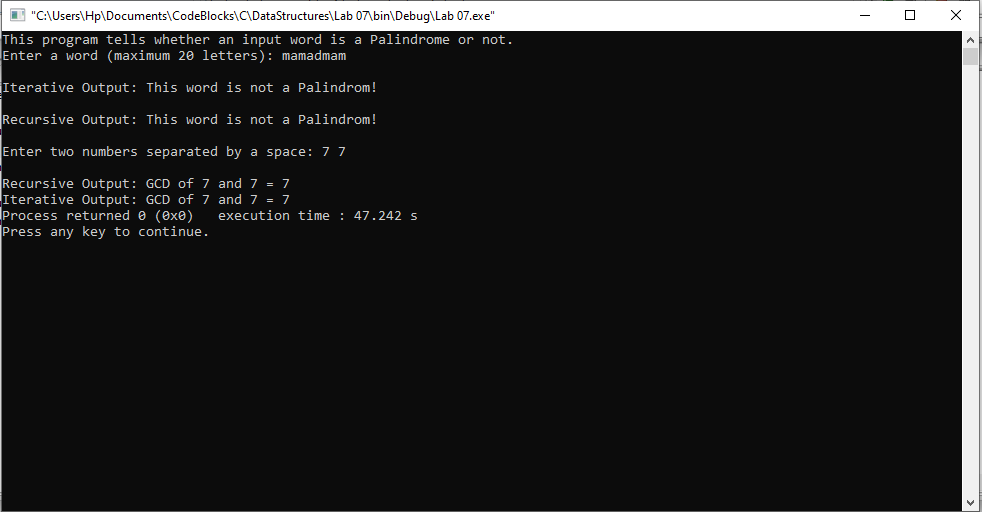
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**Solution:**

The code is shown below,



The Result of the following code is attached below:



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**Post Lab Task.**

**Task 3:**

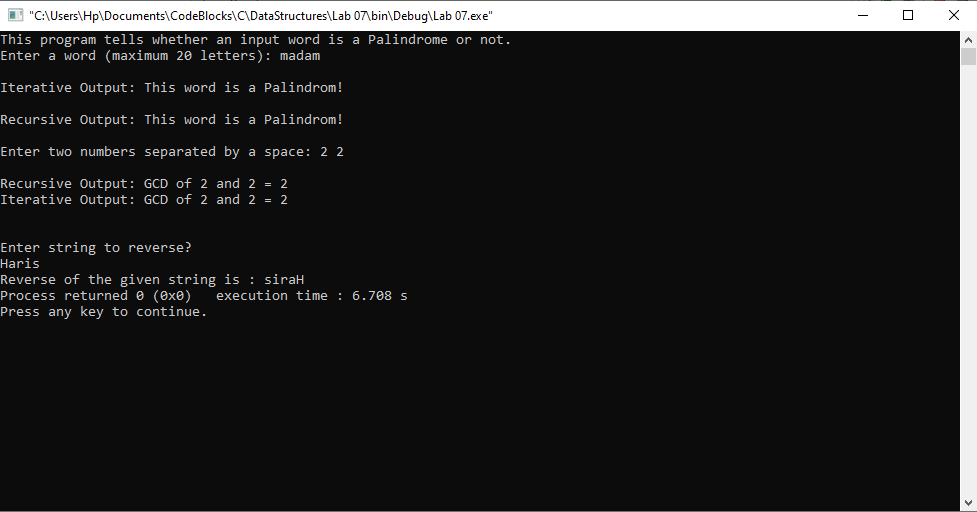
**Write a program to reverse a string using recursion.**

Solution

The code is shown below,



The Result of the following code is attached below:



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THE END