**Data Structures and Algorithms**

**Lab Report**

**Lab05**



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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 |

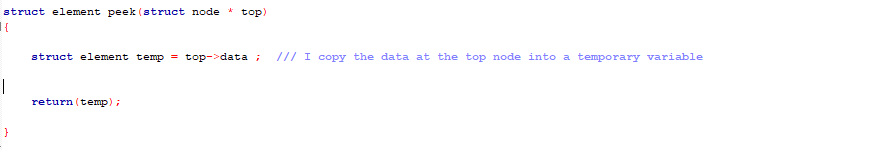
**Pre-Lab Task**

**Task:1**

**Implement the peek function to familiarize yourself with this implementation of stack.**

**Solution:**

The code is shown below,

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The Result of the following code is attached below:

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**In Lab Tasks**

**Task:1**

**Reversing an array of numbers.**

**Solution:**

The code is shown below,



The Result of the following code is attached below:



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**Task:2**

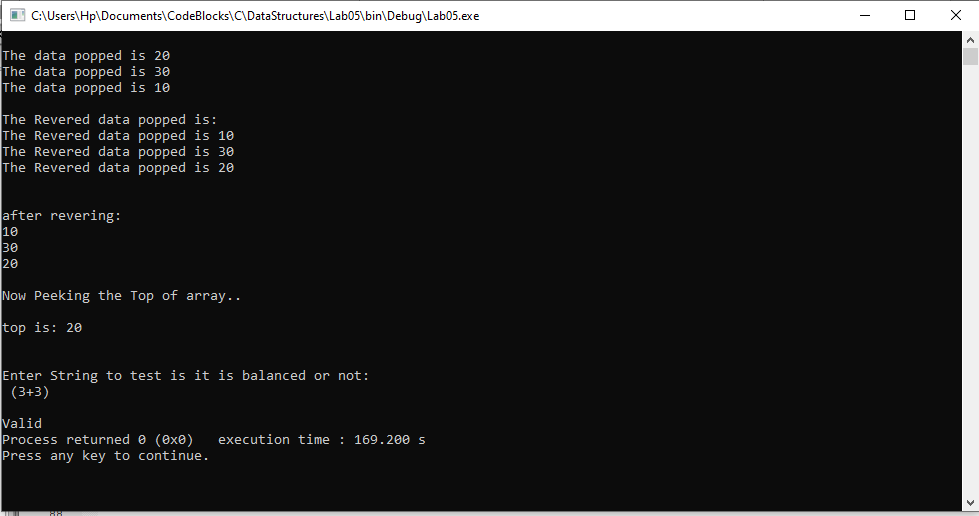
**Testing if a mathematical expression is balanced or not.**

Solution

The code is shown below,



The Result of the following code is attached below:



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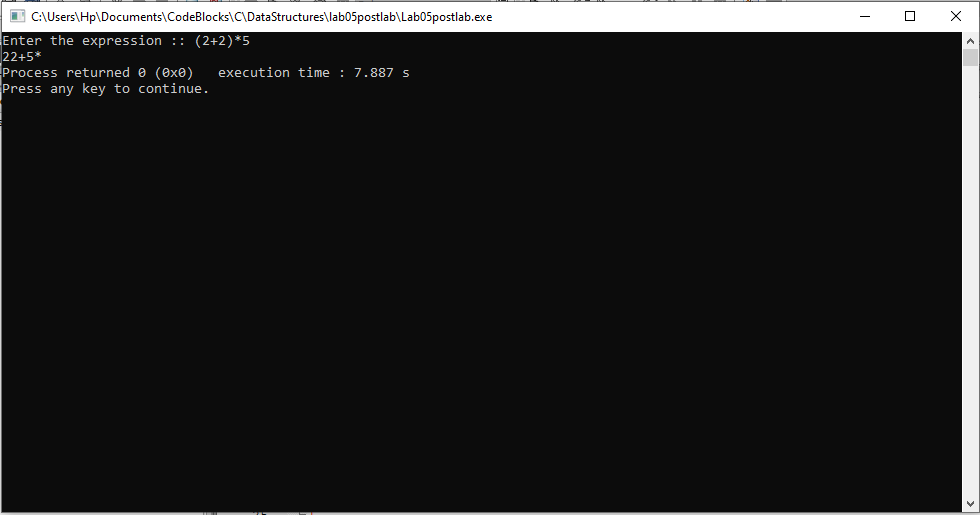
**POST LAB**

**Question no:3**

**Infix to postfix conversion**

Solution

The Result of the following code is attached below:



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THE END