**Lab Task 01**



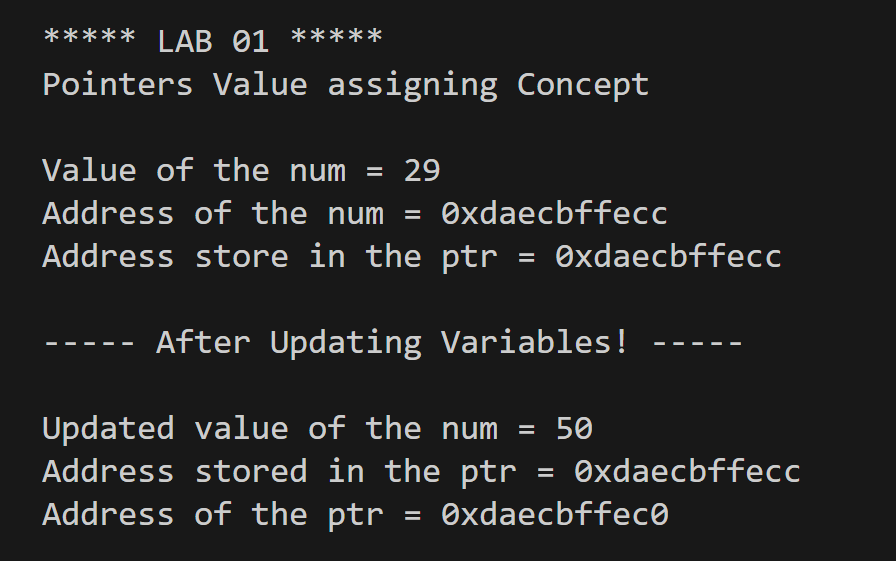
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| **Submitted to** | ****Mr. Rasikh Ali**** |
| **Submitted by** | **Javaid Ali** |
| **Roll No** | **SU92-BSSEM-S24-029 (Section – 3A)** |
| **Subject** | **Data Structures and Algorithms (Lab)** |
| **Class** | **BS – Software Engineering** |

# **Lab 01: Understanding Pointers in C++**

## This lab explores pointers in C++ by declaring an integer variable and assigning its address to a pointer. Initially, the program prints the variable’s value and memory address. The pointer is then used to modify the variable’s value, demonstrating how pointers allow indirect data manipulation. Finally, the updated values and addresses are displayed, reinforcing the concept of pointer-based memory access.

**Outputs:**

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