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| **INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR** |
| **Department of Computer Science and Engineering**  **CSL 210 – Data Structures with Applications** |
| **Assignment 4** |

**Date: 1st September 2023**

Create a doubly linked list in which info part of each node stores 4 digits of a given number. The digits should be stored in reverse order so that the LSB bits are stored in the first node and MSB bits in the last node. If the number is 681325468132 then the linked list should be 2318 -> 6452 -> 3168. Write a function to add two numbers represented in this way. Justify the time and space complexity.