

CSC248 – Fundamentals of Data Structure
Academic Session October 2023 – February 2024
Lab Assignment 5 – Stack (BI)

| Course Outcomes (CO) | LO1 | LO2 | LO3 |
|----------------------|-----|-----|-----|
| CO1 | | | |
| CO2 | √ | √ | √ |
| CO3 | | | |

1. Write a program to convert the decimal number into hexadecimal number by using stack concept. –(**NOTE:** use built-in `ArrayList` method **ONLY**)

Example:

$$1452_{10} = 5AC_{16}$$

2. Write a program to evaluate a postfix arithmetic expression. You **MUST** use User Defined Type(UDT) Linked List

Example: $2\ 6\ *\ 3\ -\ /\ 5\ 5\ *\ +$

Result : 28