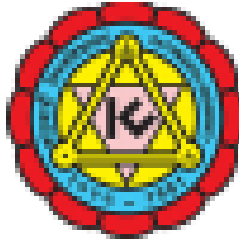


Kathmandu University

Department of Computer Science and Engineering

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LAB REPORT 02

COMP202

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CE 2nd Year/I semester

Roll: 14

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OUTPUT: Question 01(Stack)

```

TERMINAL
PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\stack> g++ main.cpp
PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\stack> ./a
INTEGER STACK:
-----

Stack Underflow
Display 1 if Empty, 0 if not: 1

The elements in the stack are:
10    20    30    40

The Top element in Stack is: 40

Display 1 if Empty, 0 if not: 0

Display 1 if Full, 0 if not: 0

The elements in the stack are:
10    20

The Top element in Stack is: 20

CHARACTER STACK:
-----

Stack Underflow
Display 1 if Empty, 0 if not: 0

The elements in the stack are:
R    O    H    A    N

The Top element in Stack is: N

Display 1 if Empty, 0 if not: 0

Display 1 if Full, 0 if not: 0

The elements in the stack are:
R    O    H

The Top element in Stack is: H

PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\stack> cd .. /queue

```

OUTPUT: Question 02(Queue)

```

TERMINAL
PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\queue> g++ main.cpp
PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\queue> ./a
INTEGER QUEUE:
-----

Queue Underflow.
Display 1 if Empty, 0 if not: 1
Display 1 if Full, 0 if not: 0
Display 1 if Empty, 0 if not: 0
The elements in the Queue are:
10    20    30    40    50

The elements in the Queue are:
30    40    50

Front Element: 30
Rear Element: 50

CHARACTER QUEUE:
-----

Queue Underflow.
Display 1 if Empty, 0 if not: 1
Display 1 if Full, 0 if not: 0
Display 1 if Empty, 0 if not: 0
The elements in the Queue are:
R    O    H    A    N

The elements in the Queue are:
H    A    N

Front Element: H
Rear Element: N
PS C:\Users\ROHAN\Desktop\Labs\DSA_LABS\LAB2\queue>

```

Github Link: [fearalert/dsa_labs \(github.com\)](https://github.com/fearalert/dsa_labs)