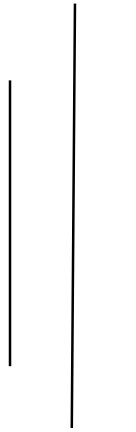


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**Lab Report on Data Structures and Algorithm with Java**  
**Lab 2**  
**Stack Implementation Using Array**

**Submitted by:**

Name: Siddhartha Shakya

Program: BIM

Section: B

Roll no: 22

**Submitted to:**

Chhetra Sir

Rikesh Sir

Date of submission: 2025/02/21

National College of Computer Studies  
Paknajol, Kathmandu



**Lab Report on Data Structures and Algorithm with Java**  
**Lab 3**  
**Implementation of Doubly Linked List**

**Submitted by:**

Name: Siddhartha Shakya

Program: BIM

Section: B

Roll no: 22

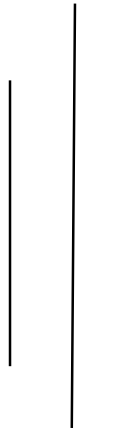
**Submitted to:**

Chhetra Sir

Rikesh Sir

Date of submission: 2025/02/21

National College of Computer Studies  
Paknajol, Kathmandu



**Lab Report on Data Structures and Algorithm with Java**  
**Lab 4**  
**Implementation of Linear Queue**

**Submitted by:**

Name: Siddhartha Shakya

Program: BIM

Section: B

Roll no: 22

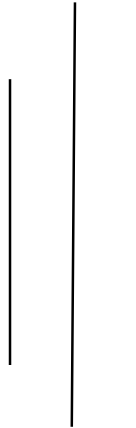
**Submitted to:**

Chhetra Sir

Rikesh Sir

Date of submission: 2025/02/21

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**Lab Report on Data Structures and Algorithm with Java**  
**Lab 5**  
**Infix To Postfix Notation**

**Submitted by:**

Name: Siddhartha Shakya

Program: BIM

Section: B

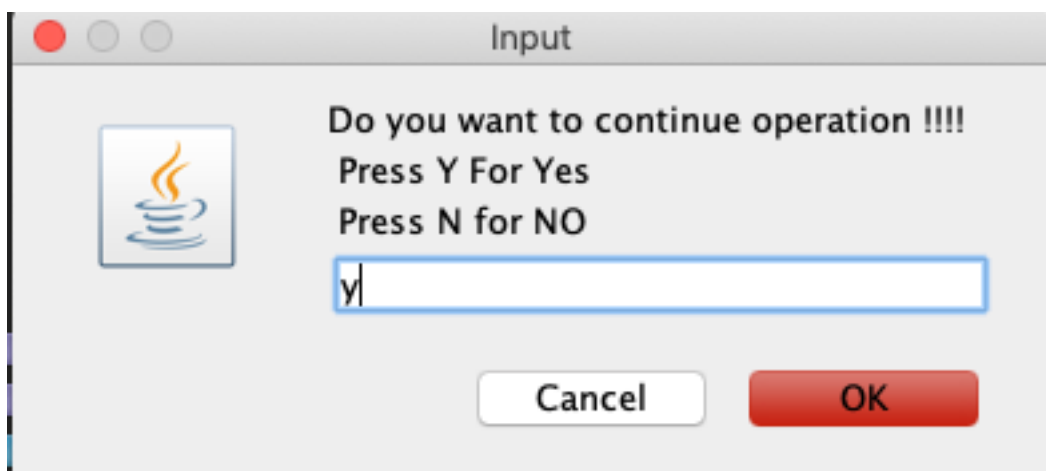
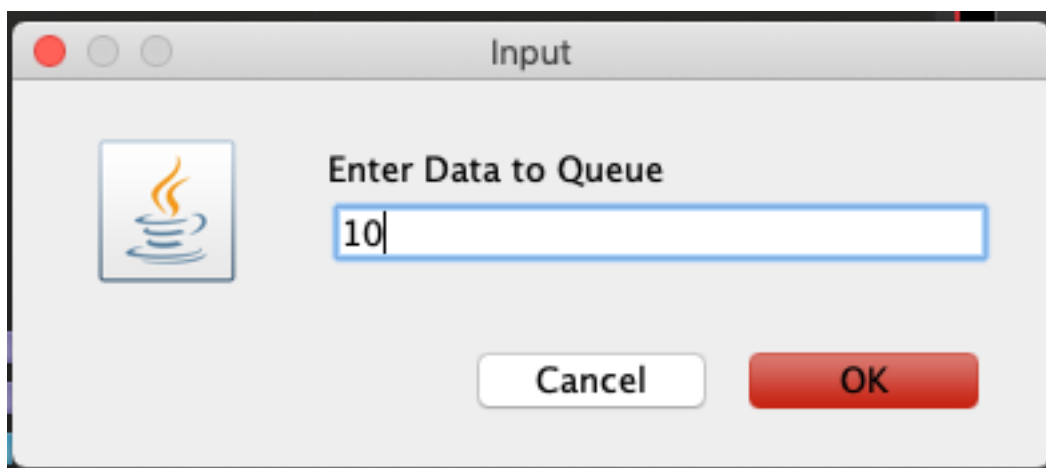
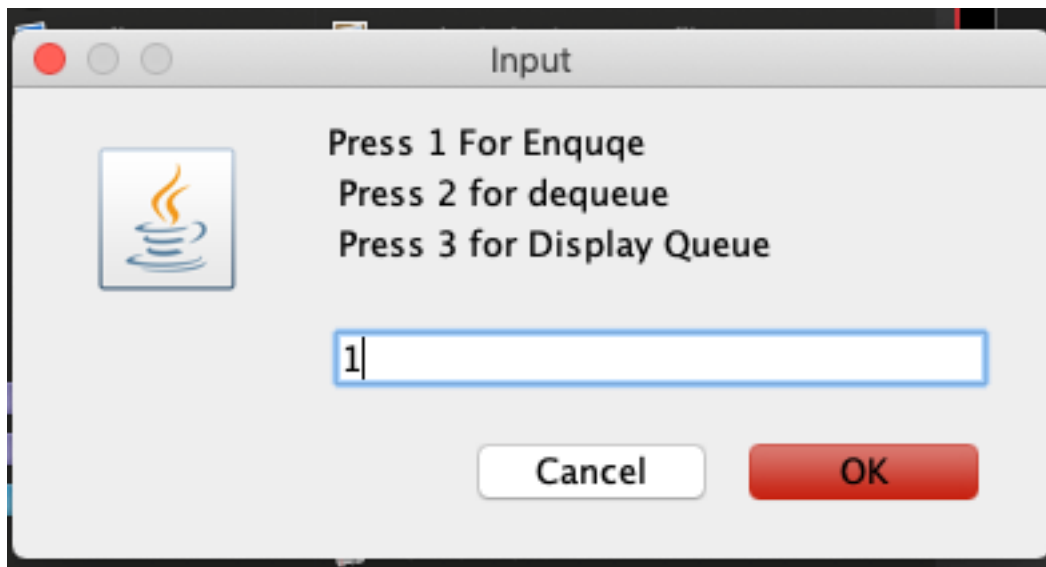
Roll no: 22

**Submitted to:**

Chhetra Sir

Rikesh Sir

Date of submission: 2025/02/21



```
run:
abcd^e-fg/h**~i-
BUILD SUCCESSFUL (total time: 0 seconds)
|
```

```
run:

After Inserting elements at First:
700 600 500
After Inserting elements at Last:
700 600 500 800 900
Deleting from the First node :
Data being deleted is : 700
600 500 800 900
Deleting from the Last node :
Data being deleted is : 900
600 500 800 BUILD SUCCESSFUL (total time: 0 seconds)
```

```
run:
500 inserted successfully
600 inserted successfully
700 inserted successfully
Size of Stack is 3
Data in the stack:
[500 600 700 ]
Deleted data is 700
Data in the stack:
[500 600 ]
BUILD SUCCESSFUL (total time: 0 seconds)
```

