

Captain Daryani
Assignment 3

Question 1 - Expression Manager:

Make sure you are in the Assignment3Q1 directory:
You may need to run

```
cd Assignment3  
cd Assignment3Q1
```

to get to the correct directory.

To run the program, run the following compile command:
`g++ -o main main.cpp`

Followed by this command to run Assignment 3 Question 1:
`./main`

Sample Output:

```
Assignment 3, Question 1  
Expression Manager – Infix to Postfix  
Infix expression: (1 + 3) * {6 - 4} + 5  
Postfix expression: 13+64-*5+
```

Question 2 -Queue:

Make sure you are in the Assignment3Q2 directory:
You may need to run

```
cd Assignment3  
cd Assignment3Q2
```

to get to the correct directory.

To run the program, run the following compile command:
`g++ -o main main.cpp Queue.cpp`

Followed by this command to run Assignment 3 Question 2:
`./main`

Sample Output:

```
Insert occurred:  
[6, ]  
Insert occurred:  
[6, 12, ]  
Insert occurred:  
[6, 12, 97, ]  
Front element: 6  
Total elements in queue: 3  
Removal occurred:  
[12, 97, ]  
Removal occurred:  
[97, ]  
Front element: 97  
Total elements in queue: 1  
Removal occurred:  
[ ]  
The queue is empty.
```

