

ASSIGNMENT 2

Queues operations

Learning outcome:

Understand concept and operation of queues

Dateline: 30 November 2025, upload to PutraBLAST

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1. Implement the ADT queue with a Queue interface and ArrayQueue class.
2. Write a program, implementation class for the operation below. Display all the return value (output) and remain value in queue for each step.

Operation Q

```
enqueue(5),  
enqueue(3),  
dequeue(),  
enqueue(7),  
dequeue(),  
front(),  
dequeue(),  
dequeue(),  
isEmpty(),  
enqueue(9),  
enqueue(7),  
size(),  
enqueue(3),  
enqueue(5),  
dequeue(),  
rear()
```