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1). Push 4

| | |
|---|---|
| 9 | |
| 8 | |
| 7 | |
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |
| 0 | 4 |

2). Push 30

| | | |
|---|---|---|
| 9 | | |
| 8 | | |
| 7 | | |
| 6 | | |
| 6 | | |
| 5 | | |
| 3 | | |
| 2 | | |
| 1 | 30 | → peek |
| 0 | 4 | |

3). Pop

| | |
|---|---|
| 9 | |
| 8 | |
| 7 | |
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |
| 0 | 4 |

4). Push 40

| | |
|---|---|
| 9 | |
| 8 | |
| 7 | |
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | 40 |
| 0 | 4 |

Push 50

| | |
|---|---|
| 9 | |
| 8 | |
| 7 | |
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | 50 |
| 1 | 40 |
| 0 | 4 |

2) Queue

Step 0.
| 0 | 1 | 2 | 3 | 4 | 5 | ... | 9 |
|---|---|---|---|---|---|---|---|
| 4 | | | | | | | |

1. enqueue (60
| 0 | 1 | 2 | 3 | 4 | 5 | ... | 9 |
|---|---|---|---|---|---|---|---|
| 4 | 60 | | | | | | |

qfront  qback

2. peek(),
| 0 | 1 | 2 | 3 | 4 | 5 | ... | 9 |
|---|---|---|---|---|---|---|---|
| 4 | 60 | | | | | | |

qfront  qback

3 enqueue (70)
| 0 | 1 | 2 | 3 | 4 | 5 | ... | 9 |
|---|---|---|---|---|---|---|---|
| 4 | 60 | 70 | | | | | |

qfront  qback

4. dequeue()

| 0 | 1 | 2 | 3 | 4 | 5 | ... 9 |
|---|---|---|---|---|---|---|
| 50 | 70 | | | | | |
| qfront | qback | | | | | |

5) Peek ()

| 0 | 1 | 2 | 3 | 4 | 5 | ... 9 |
|---|---|---|---|---|---|---|
| 60 | 70 | | | | | |
| qFront | qback | | | | | |

| 0 | 1 | 2 | 3 | 4 | 5 | ... 9 |
|---|---|---|---|---|---|---|
| 50 | 70 | | | | | |
| qfront | qback | | | | | |