**DIFFERENCE BETWEEN QUEUE DATA STRUCTURE AND STACK DATA STRUCTURE**

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| **OPERATION** | **STACK** | **QUEUE** |
| Insert | Push | Enqueue |
| Remove | Pop | Dequeue |
| Access | Peek(view top elements) | Front(view front item) |
| Structure | Top element is accessible | Front and rear elements are accessible |

**STACK**

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| --- |
| 1 |
| 2 |
| 3 |

* **Push(1)**: Stack becomes [1]
* **Push(2)**: Stack becomes [1, 2]
* **Push(3)**: Stack becomes [1, 2, 3]
* **Pop()**: Removes 3, Stack becomes [1, 2]

**QUEUE**

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| --- |
| 1 |
| 2 |
| 3 |

 **Enqueue(1)**: Queue becomes [1]

 **Enqueue(2)**: Queue becomes [1, 2]

 **Enqueue(3)**: Queue becomes [1, 2, 3]

 **Dequeue()**: Removes 1, Queue becomes [2, 3]