

Q1: Which of the following is NOT a typical operation associated with a stack?

- a) Push
- b) Pop
- c) Peek
- d) Search

Q2: In a stack implementation using arrays, what is the primary challenge when the array is full?

- a) Memory leak
- b) Stack overflow
- c) Stack underflow
- d) Segmentation fault

Q3: Which of the following applications commonly uses a stack data structure?

- a) Implementing a queue
- b) Managing recursion
- c) Sorting data using merge sort
- d) Representing a graph

Answer Key

Q1: d

Q2: b

Q3: b