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

a) Push

b) Pop

c) Peek

d) Shift

Q2: In a stack implementation, what does "overflow" signify?

a) Attempting to access an element outside the array bounds.

b) Attempting to pop an element from an empty stack.

c) Attempting to push an element onto a full stack.

d) Attempting to peek at an element in an empty stack.

Q3: What is the primary application of a stack in the evaluation of mathematical expressions?

a) Storing the operands in the order they appear.

b) Storing the operators based on their precedence.

c) Converting infix notation to postfix notation.

d) All of the above.

Answer Key

Q1: d

Q2: c

Q3: d