Q1: Which of the following is NOT a typical application of a stack?

   a) Evaluating arithmetic expressions

   b) Managing function calls in recursion

   c) Implementing a queue

   d) Undo/Redo functionality in applications

Q2: In a stack implementation using an array, what is the condition for 'stack overflow'?

   a) The 'top' pointer reaches the end of the array.

   b) The 'top' pointer is -1.

   c) The 'top' pointer is 0.

   d) The array is empty.

Q3: What is the primary principle on which a stack operates?

   a) First In, First Out (FIFO)

   b) Last In, First Out (LIFO)

   c) Random Access

   d) Key-Value Pair Storage

Answer Key

Q1: c

Q2: a

Q3: b