Tutorial: Stack
CSC 113

1. Consider the behavior of Stacks (LIFO), trace the following set of push( ) & pop( ) commands, showing the state of the stack with each step.
    1. (starting with empty stack) push(a), push(b), push(c), pop( ), push (d), pop( ), push(e), push(f), pop( )
    2. (starting with empty stack) push(1), pop( ), push(2), push(3), push(4), push(5), push(6), pop( ), pop( ), push(7), push(8), pop( )
    3. (starting with empty stack) push("world"), push("yes"), push("no"), push("ok"), pop( ), push("maybe"), push("hi"), pop( ), pop( ), pop( ), pop( ), push("hello")

2. Print the sequence of the return values for each of the pop( ) operations in the previous question.