Name: Dennis Wu and Barry Ibarra

Project: Programming Assignment #2

Course: CPSC131

Professor: Dr Abhishek Verma

Function: void solvePostfix(string postfixExp)

Input: postfixExp, a string, postfix expression from the user  
Return: none, prints value of expression

IF CALL isValid with postfixExp

THEN  
 FOR i = 0 step 1 to length of postfixExp  
 DO  
 IF postfixExp at position i = 0

THEN

CALL push with 0  
 END IF

IF postfixExp at position i = 1

THEN

CALL push with 1  
 END IF

IF postfixExp at position i = 2

THEN

CALL push with 2  
 END IF

IF postfixExp at position i = 3

THEN

CALL push with 3  
 END IF

IF postfixExp at position i = 4

THEN

CALL push with 4  
 END IF

IF postfixExp at position i = 5

THEN

CALL push with 5  
 END IF

IF postfixExp at position i = 6

THEN

CALL push with 6  
 END IF

IF postfixExp at position i = 7

THEN

CALL push with 7

END IF

IF postfixExp at position i = 8

THEN

CALL push with 8  
 END IF

IF postfixExp at position i = 9

THEN

CALL push with 9

END IF

IF postfixExp at position i = +  
 THEN

SET var1 = CALL top

CALL pop

SET var2 = CALL top

CALL pop

CALL push with var1 + var2

END IF

IF postfixExp at position i = -  
 THEN

SET var1 = CALL top

CALL pop

SET var2 = CALL top

CALL pop

CALL push with var2 - var1

END IF

IF postfixExp at position i = \*  
 THEN

SET var1 = CALL top

CALL pop

SET var2 = CALL top

CALL pop

CALL push with var1 \* var2

END IF

IF postfixExp at position i = /  
 THEN

SET var1 = CALL top

CALL pop

SET var2 = CALL top

CALL pop

CALL push with var2 / var1

END IF

PRINT CALL top

ELSE

PRINT error message

END IF

