Postfix Evaluation Example	
postfix: 23 * 4+	
while Loop first iteration current item is 2, is operand; push ('2');	
2 Etop	
while Loop second iteration current is '3', is operand push('3')	
$\frac{3}{2}$ = top	
while Loop third iteration current is 'x' is operator	
pop stack, right = 3)
pop stack left = 2 empty evaluate: push (left * right) push (b) while Loop Fourth iteration:	
top=	-1
evaluate: push (left * right)	
while Loop Fourth Heration:	top
while Loop Fourth iteration: current item is '4', is operand. push(4)	
6	Jop

while Loop fifth iteration
current item is 't'; operator right = pop() = 4 6 top
Left = $Pop() = 6$ $ empty $ $top = -1$
evaluation
push (left't'right)
10 = top
Then while Loop drops out!
only one number on the stack, is 10, 10 is the final result for the original postfix expression.
Note here: D we learned that items on stack usually have the same data type.

- Here, we assume the operands and operators are stored in a string, and operands have only one digit. What if an operands have arbitrary number of digits?
- 3 How to solve this problem when your implement this algorithm?