



30 DAYS OF CODE (PYTHON TRACK)

Day 29 - Text Messaging

On some basic cell phones, text messages can be sent using the numeric keypad. Because each key has multiple letters associated with it, multiple key presses are needed for most letters. Pressing the number once generates the first letter on the key. Pressing the number 2, 3, 4 or 5 times generates the second, third, fourth or fifth character listed for that key.

Key	Symbol
1	. , ? ! :
2	A B C
3	D E F
4	G H I
5	J K L
6	M N O
7	P Q R S
8	T U V
9	W X Y Z
0	space

Create a function named `keys_pressed` that **returns the key presses that must be made** to enter **a text message which is the input parameter from the user**. For example, if the user enters `Hello, World!` then your program should output `4433555555666110966677755531111`. Ensure that your program handles both uppercase and lowercase letters. Ignore any characters that aren't listed in the table above such as semicolons and brackets.

Hint: Construct a dictionary that maps from each letter or symbol to the key presses.

N.B: No in-built module should be used.