

TCSS141A - SPRING 2021 - HW #3 (FOR WEEK 4); max 15 points

DUE: Sun 04/25 @ 11:30pm, the assignment has to be submitted to the CANVAS

The name of the file: (your) lastname_3.py

Please start the program with: # your name

In the program you can use only methods and tools already introduced in the class!

Problem: Numbers to strings

Write a program that prompts a user to provide an integer and transforms the entered integer to a string of symbols X, Y and W. Each even digit of the entered integer is transformed to the symbol X, each odd digit is transformed to the symbol Y in the created string. If the entered integer is negative, the negative sign is transformed to the symbol W.

Example: If the user enters -458995 the program displays WXYXYYY.

The user can enter multiple number of integer, the programs prompts the user to enter this number at the beginning.

See an example of possible program outputs for different inputs:

```
This program transforms an integer to a string of Xs and Ys and Ws.
```

```
How many integers do you want to transform? 5
```

```
Integer # 1 - enter the integer: 5689
```

```
The transformed string is YXXY
```

```
Integer # 2 - enter the integer: 0
```

```
The transformed string is X
```

```
Integer # 3 - enter the integer: -455555
```

```
The transformed string is WXYYYYY
```

```
Integer # 4 - enter the integer: -747466
```

```
The transformed string is WYXYXXX
```

```
Integer # 5 - enter the integer: 12
```

```
The transformed string is YX
```

```
Thank you for using my program!
```

```
>>> |
```