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<> Code

! Issues

🔗 Pull requests

▶ Actions

📁 Projects

📖 Wiki

🛡 Security

🔗 main ▾

...

[aed-wonder-woman](#) / [0-wonderwomanlp](#) / [2-secretmessage](#) / [includes](#) / [0-introduction.md](#)

sguthals images are in

🕒 History

👤 1 contributor

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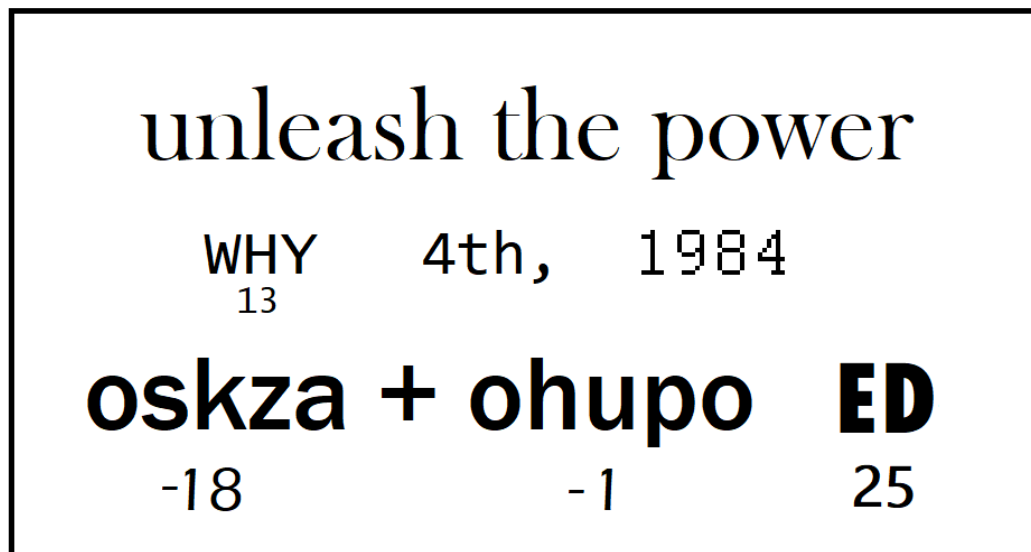
29 lines (18 sloc) 1.4 KB

Introduction to Wonder Woman's Secret Message Decoder



```
1 # define a superpower (function) that finds the truth by shifting the letter by the specified amount
2 def lassoLetter( letter, shiftAmount ):
3     # use the ord superpower to translate the letter to a special number called its ASCII code
4     # and associate it codename letterCode
5     letterCode = ord(letter.lower())
6
7     # shift the ASCII code to find the true letter's ASCII code
8     # (my team says that ASCII codes are in order, starting with the code for the letter a)
9     trueLetterCode = ord("a") + ((letterCode - ord("a"))+shiftAmount) % 26
10
11     # now reveal the true letter by using the chr superpower to translate back from ASCII
12     # "return" this as a result of invoking the superpower lassoLetter
13     return chr(trueLetterCode)
14
15     # define a superpower (function) that finds the truth
16     # by shifting all the letters in a word by the specified amount
17 def lassoWord( word, shiftAmount ):
18     # this codename (variable) will be updated to store the true phrase after shifting
```

Wonder Woman has left you a secret message with a time and place of the next super hero meeting. Only problem is...it's been encoded to avoid enemies discovering it.



With [Visual Studio Code](#) and the power of Python you will write a decoder program to figure out when and where you need to be! Inspired by [WONDER WOMAN 1984](#) film, write your first lines of Python and have fun while doing it!

Before you can start cracking the code, make sure you have setup your local developer environment by following the [Set up your Python beginner development environment with Visual Studio Code](#) Learn module.

WONDER WOMAN 1984 TM & © DC and WBEI. RATED PG-13

Learning Objectives

In this module, you'll

- Write your first lines of Python code
- Create a function that decodes a character using a cypher
- Create a function that decodes a word using a cypher
- Discover where the next super hero meeting is

Prerequisites

- Python installed

- Visual Studio Code with Python Extension
- No coding experience required