De-/Encode Workshop Documentation

Visual Studio Code (https://code.visualstudio.com/Download) or a similar Text Editor

Steps - Caesar

1. Read in user input for text
    a. Using “getInput()”
2. Read in user input for letter as key
    a. Using “getInput()”
3. Add characters
    a. Using “add_characters(charOne, chartwo)”
4. Subtract characters
    a. Using “sub_characters(charOne, charTwo)”
5. Access specific character in string
    a. Using “string[index]”
6. Create loop to go throught string
    a. For index in range (start, end + 1)
7. Check for wrong inputs
8. Implement functions for en and decrypting
9. Ask for en or decrypt and call function depending on input
    a. Using sameString(input, string)
10. Check for wrong user inputs

Steps – Vigenere

1. Copy reusable from Caesar
2. Change de and encrypting for using the whole key by iterating trough key

Functions and Syntax:

Condition:

Variable1 == variable2

Variable2 != variable2

Variable1 < variable2

Variable2 > variable 2

Function() == True

Link with “and“ or „or“ possible

If-statement:

if (condition):

    Code

While loop:

while (condition):

    code

For loop:

for variable in range (start, end + 1):

    code

Functions:

print(string) – prints text in console

printText(variable) – prints variabletext in console

getInput() – get user input

len(variable) – get size of variable

sameString(inputVariable, otherString) – compare two strings

add_characters(char1, char2) – adds characters

sub_characters(char1, char2) – subtract characters