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# HARVARD CS50 Week 6 - DNA - Implement a program that identifies a
 person based on their DNA

# PSEUDO CODE
# Open CSV file & DNA sequence, read content into memory
# For each STR, compute longest run of consecutive repeats in the DNA
 sequence
# Compare STR ount against each row in CSV file
# If match, print out name of match, else print "no match"

from csv import reader, DictReader
from sys import argv

# check for 3 entries in command line
[redacted]
    # return error message
    [redacted]

# open file and read dna sequence
[redacted]
    [redacted]
    [redacted]
        [redacted]

# store dna in string
[redacted]

# create a dictionary to store sequences to count
[redacted]

# extract sequences from database into list
[redacted]
    [redacted]
    [redacted]
        [redacted]
        [redacted]
        [redacted]

# copy list in a dictionary with genes as keys
[redacted]
    [redacted]

# iterate trough complete dna sequence, count repetition of str
 [redacted]
```

[redacted]
    [redacted]
    [redacted]
    [redacted]
    [redacted]
        # Skip to end after counting an str sequence
        [redacted]
            [redacted]
            [redacted]

        # if dna segment equal key and & repition, start count
        [redacted]
            [redacted]
                [redacted]
                [redacted]

            # compare value to the so far longest sequence, and
override if longer
            [redacted]
                [redacted]

    # store longest sequences in dictionary with respective key
    [redacted]

open and iterate trough people database as a dictionary, compare
 continuously to first sequence
[redacted]
    [redacted]
    [redacted]
        [redacted]
        # compare sequences to people
        [redacted]
            [redacted]
                [redacted]
        # print match
        [redacted]
            [redacted]
            [redacted]
        # if no match, print no match
    [redacted]