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Computer Science Principles

Performance Task

2a. Refer to the video

2b. As an individual on this project, the program had its' bugs that needed to be fixed. The main problem was that if you were to type in all the letters into the input the return would give you the word saying you have won. I did not want this to be the case because in a true hangman game you can not use multiple letters at one time. I saw this as an opportunity to enhance my previously made hangman game and only make it better. With help from Cameron i was able to successfully achieve my goal of a true hangman game.

2c.

```
# the letter is not in the word
  if _guess_ not in word_chosen:
  # subtracts a turn
  turns -= 1
```

This code above checks to see if the letter you have guessed is in the word. If it is not then you subtract a life and try again or lose the game because you have ran out of lives

2d.

```
# -*- coding: utf-8 -*-
```

```
#importing the time module
import time

#welcoming the user
name = raw_input("What is your name? ")

print "Hello, " + name,", time to play the best game in your entire existence!"

print ""

#wait for 1 second
time.sleep(1)

print "Start guessing..."
time.sleep(0.5)

import random

#word bank
words =  ["Daniel", "Ugly", "seventeen", "snack", "computer", "watermelon", "gum", "eyes",
"Africa",
        "panther", "thanksgiving", "Idunno", "uhhhhhhhhh", "hangman",  ]
```

```
word_chosen = random.choice(words).lower()

#creates an variable with an empty value
global guesses
guesses = ''

#determine the number of turns
global turns
turns = 7

# Create a while loop

#check if the turns are more than zero
def main():
    global turns
    global guesses
    while turns > 0:

    # make a counter that starts with zero
        failed = 0
```

```
# for every character in secret_word
    for char in word_chosen:

# see if the character is in the players guess
        if char in guesses:


    # print then out the character
            print char,


        else:

    # if not found, print a dash
            print "_",

    # and increase the failed counter with one
            failed += 1

# if failed is equal to zero

# print You Won
    if failed == 0:
```

```
        print "-----Â¯\_(ãƒ„)_/Â¯You won!Â¯\_(ãƒ„)_/Â¯----"


# exit the script
        break


    print


# makes you guess a letter
    global _guess_
    guess = raw_input("guess a character:")
    _guess_ = guess
    if guess != 'a':
        if guess != 'b':
            if guess != 'c':
                if guess != 'd':
                    if guess != 'e':
                        if guess != 'f':
                            if guess != 'g':
                                if guess != 'h':
                                    if guess != 'i':
                                        if guess != 'j':
                                            if guess != 'k':
```

```
if guess != 'l':
    if guess != 'm':
        if guess != 'n':
            if guess != 'o':
                if guess != 'p':
                    if guess != 'q':
                        if guess != 'r':
                            if guess != 's':
                                if guess != 't':
                                    if guess != 'u':
                                        if guess != 'v':
                                            if guess != 'w':
                                                if guess != 'x':
                                                    if guess != 'y':
```

```
if guess != 'z':


print 'Stop your cheating'


main()


else:


_turns_()
```

```
                    else:
                        _turns_()
                else:
                    _turns_()
            else:
                _turns_()
        else:
            _turns_()
    else:
        _turns_()
else:
```

```
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                                        _turns_()
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            else:
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        else:
            _turns_()
    else:
        _turns_()
else:
```

```
                                    _turns_()
                                else:
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                                _turns_()
                        else:
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                    else:
                        _turns_()
                else:
                    _turns_()
            else:
                _turns_()
        else:
            _turns_()
    else:
        _turns_()
def _turns_():
    global guesses
    global _guess_
    global turns
    # set the players guess to guesses
```

```
guesses += _guess_



# Wrong!!!!!!!
    print "The survey says....."
    time.sleep(3)
    print "Wrong!!!!!"

    # the letter is not in the word
    if _guess_ not in word_chosen:


     # subtracts a turn
       turns -= 1

 time.sleep(1)


# the amount of turns left
    print "You have", + turns, 'more guesses'


# no more turns left
    if turns == 0:


    # you done lost kid
```

```
        print "Ha better luck next time"

main()
```