## Screenshots of Application Code

print("\n ")

print("Hello, there! I have a fun story about a mischievous dog. I can't wait to share it.")

print("\nBefore the story begins I have a few questions I need you to answer. ")

print("\nAfter each answer, please press the Enter key ")

input("\n Press any key to continue..")

keepPlaying = "yes"

while keepPlaying.lower() == "yes":

dogBreed = input("\nWhat breed is the dog?")

while (len(dogBreed) == 0):

dogBreed = input("\nPlease enter the breed of dog: ")

dogName = input("\nWhat is the dog's name?")

while (len(dogName) == 0):

dogName = input("\nPlease enter the name of the dog: ")

dogCity = input("\nWhere does the dog live?")

while (len(dogCity) == 0):

dogCity = input("\nPlease enter a city name: ")

favoriteFood = input("\nWhat is your favorite food?")

while (len(favoriteFood) == 0):

favoriteFood = input("\nPlease enter your favorite food: ")

favoriteNumber = input("\nWhat is your favorite number?")

while not favoriteNumber.isdigit():

favoriteNumber = input("\nPlease enter a numerical value: ")

ownerName = input("\nWhat is your name?")

while (len(ownerName) == 0):

ownerName = input("\nPlease enter your name: ")

print("\nLet's begin our adventure!")

print("\nOnce day there was a mischievous", dogBreed, "named", dogName + ".")

print("\n" + dogName, "was very curious and liked to be adventurous. Today,", dogName, "felt like switching his routine up.")

print("\nToday was his chance to do something fun! He looked around the house and begin to weigh his options.")

sneakIntoKitchen = input("\nShould " + str(dogName) + " sneak into the kitchen to look for something tasty? Type yes or no: ")

while sneakIntoKitchen.lower() != "yes" and sneakIntoKitchen.lower() != "no":

sneakIntoKitchen = input("\nPlease type yes or no: ")

if sneakIntoKitchen == "yes":

print("\n" + dogName, "quitely sneaks into the kitchen to look for a tasty snack. He rips open", favoriteNumber, "bags of various snacks.")

print("\n" + dogName, "is heard by his owners. They quickly run towards him to stop the chaos. Luckily," + dogName, "is fast! He bolts out the front door before he could be caught!")

else:

print("\n" + dogName, "does not want to be risky and sneak into the kitchen.")

print("\nInstead, he settles for a bland bowl of kibble by the front door. He proceeds to eat for", favoriteNumber, "minutes. Unforunately, the kibble was subpar.")

print("\n" + dogName, "decides to go venture outside instead.")

print("\n" + dogName, "is greeted by sunlight and Texas heat! He quickly notices that his owners have left the yard gate wide open.")

print("\n" + dogName, "is conflicted.")

print("\n" + dogName, "was onto the next part of his adventure!")

sneakPastGate = input("\nShould he run out the gate and explore? Type yes or no: ")

while sneakPastGate.lower() != "yes" and sneakPastGate.lower() != "no":

sneakPastGate = input("\nPlease type yes or no: ")

if sneakPastGate == "yes":

print("\n" + dogName, "has bolted out the gate to follow the sweet aroma of food!")

print("\n" + dogName, "is greeted with varying aromas of", favoriteFood,". He is filled with excitement until he stumbles across a pack of alley cats!")

print("\nNervous, " + dogName, "barks", favoriteNumber, "times to warn the cats to stay away. He is successful and continues down the Texas alleyway.")

else:

print("\n" + dogName, "decides to play in the backyard. Dogs that are", dogBreed, "have great tracking abilities.")

print("\n" + dogName, "soon smells a squirrel and decides to follow that scent up a Texas dirt path.")

print("\nHe is greeted by a larged apple tree.")

print("\n" + dogName, "was happy as this day has turned out thrilling!")

if sneakIntoKitchen == "yes" and sneakPastGate == "yes":

print("\n" + dogName, "comes across a bakery after running from the mean alleycats.")

print("\n" + dogName, "follows the aroma of french bread and begins to wolf down", favoriteNumber, "loaves of bread before being corned by the bakery owner.")

print("\n" + dogName, "is identified by his collar. The bakery owner calls his owners to come pick him up.")

print("\n" + dogName, "is successfully returned home with a belly full of French bread and stern punishment from his owners")

elif sneakIntoKitchen == "yes" and sneakPastGate == "no":

print("\n" + dogName, "looks for apples around the dirt path. He is greeted by a button nose.")

print("\n" + dogName, "looks up and sees a friendly doe. They begin to follow the apples scent together")

print("\n" + dogName, "spends all day looking for apples with his new doe friend!")

elif sneakIntoKitchen == "no" and sneakPastGate == "no":

print("\n" + dogName, "has decided it is too hot to be chaotic today. He wants to stay near his water bowl!")

print("\n" + dogName, "starts trotting down the yard until he a yellow spec catches his eye.")

print("\n" + dogName, "finds his most prized possesion! His yellow squeaky banana. He lost this toy a few months ago and truly believed it was gone!")

print("\n" + dogName, "begins running around the yard and runs into his deer friend! Togther they play and look for yummy apples to snack on")

elif sneakIntoKitchen == "no" and sneakPastGate == "yes":

print("\n" + dogName, "sees alley cats and tries to scare them by showing his teeth!")

print("\n" + dogName, "realizes this does not work for these cats! He quickly speeds down the alley.")

print("\n" + dogName, "finds himself following the aroma of bread. He sees the bright red roof of a bakery and quickley bolts in.")

print("\n" + dogName, "starts wolfing packs of muffins until he hears the footsteps of a bakery owner", str(dogName), "speeds out the door and runs all the way home! He makes it back inside the gate before his owners even noticed he was gone. What an adventure!")

keepPlaying = input("\nDo you want to play again? Enter yes or no: ")

while keepPlaying.lower() != "yes" and keepPlaying.lower() != "no":

keepPlaying = input("Please type yes or no: ")

## Text Description automatically generatedScreenshots of Application Outputs Version 1 (Yes, Yes)

## Screenshots of Application Outputs Version 2 (no, no)

Text

Description automatically generated

## Text Description automatically generatedScreenshots of Application Outputs Version 3 (no, yes)

## Screenshots of Application Outputs Version 4 (yes, no) Text Description automatically generated

## How Code Works/Lessons Learned (1–2 Paragraphs)

Indentation errors were one of the most difficult aspects of this project. The absence of tabs and/or whitespaces between lines of code is an indentation fault. Because Python is a procedural language, if you forget to include tabs or spaces between your lines of code, you will almost certainly get this error. Although in some circumstances the entire program will execute without errors, in others the error will occur in the middle of the execution, causing the entire operation to be paused. In my case, my code kept looping to identifying a dog breed type. This was frustrating because my code had all the correct components. To troubleshoot this issue, I went through each line and redid the indentations. This was quite tedious but all lines of code in Python are organized into blocks, making it easier to discover errors.

Overall, this course taught me the fundamentals of coding. I've put it to practice in my daily work and have learned to pay attention to the small aspects, such as formatting. I also now have GitHub as a resource for my future projects.