My python final project code is below. It is a simple program that helps to calculate the cost of boarding a dog to a daycare. My only real programming experience prior to this course was with c++, so writing up pseudo code to help prepare me for this program was very useful. I got stuck a few times due to improper indentation, but after going through each line, I corrected the indentation errors. I also had trouble trying to figure out how to create a simple menu system, but I understood that this could be done by defining functions that showed the user their options, and read their inputs/selections.

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#Constants for the charges per dog

night\_stay = 50.0 #Base rate - Stay per dog

dog\_training = 25.0 #Base Rate - Training

premium\_food = 20.0 #Base Rate - Premium dog food

def menu():

print("Canine Lodgings")

print("------------------------------------")

print("1) Night Stays Per Dog")

print("2) Dog Training")

print("3) Premium Food")

print("4) Message from Canine Lodgings")

print("5) Exit Program")

choice = int(input("Enter your choice: "))

while choice < 1 or choice > 5:

print("Invalid Selection. Enter 1,2,3,4, or 5.")

choice = int(input("Enter your choice:"))

return choice

def stay():

print("Canine Lodgings")

print("------------------------------------")

dogs = int(input("How many dogs will be staying?"))

nights = int(input("And for many nights?"))

#Calculate charges

stay\_charges = (dogs \* nights) \* night\_stay

#Display Charges

print("Number of dogs: ", dogs)

print("Stay Charges: $", stay\_charges)

age = int(input("Enter your dog's age: "))

if age > 6:

print("Your dog will be with other senior dogs.")

else:

print("Your dog will be with other younger dogs.")

hold\_screen()

def training():

print("Canine Lodgings")

print("------------------------------------")

training = int(input("How many dogs will register for training?"))

#Calculate base charges

training\_charges = training \* dog\_training

#Display Charges

print("Base Charges: $", training\_charges)

hold\_screen()

def food():

print("Canine Lodgings")

print("------------------------------------")

food = int(input("How many dogs will have premium food?"))

#Calculate base charges

food\_charges = food \* premium\_food

#Display Charges

print("Base Charges: $",food\_charges)

hold\_screen()

def message():

i = 1

while i <=5:

print("Hello, we love dogs!")

i += 1

hold\_screen()

def hold\_screen():

input("Press Enter to return to the main menu.")

def main():

while True:

selection = menu()

if selection == 1:

stay()

elif selection == 2:

training()

elif selection == 3:

food()

elif selection == 4:

message()

elif selection == 5:

print("Exiting program.")

break

main()