**Unit 6 Discussion Forum!**

Hello peers and our incredible instructor. I hope that you are all enjoying your holidays. Merry Christmas to all Christians in this forum and a happy and successful new year 2024 to everyone.

***Task 1:***

For this week’s discussion forum assignment, Let’s take a big pot of Spanish rice to represent a list in Python. The beautiful and tasty ingredients inside will be the objects. Each ingredient inside has a characteristic of its own. For example, the rice is white while some of the spices have different colors, also each spice has different aromas. In the Python programming language, these characteristics are referred to as values.

Now back to the question. Two spices or ingredients are identical if they have the same characteristics/value. In Python, if you have two objects in a list that have the same value, they are equivalent.

However, two ingredients are the same if they are the same physical object. For example, if you have one specific ingredient, and you have another one that looks the same, they are identical.

In Python, if you have two objects in a list that refer to the same thing in the computer's memory, they are identical.

***Python Code:***

spanish\_rice\_pot = [ingredient1, ingredient2] # In Python this is a list with 2 objects.

is\_equivalent = ingredient1 == ingredient2

is\_identical = ingredient1 is ingredient2

***Task 2: (my Funtion)***

**The code:**

def double\_rice(rice\_pot):

## takes a pot of Spanish rice and doubles the amount of rice in it.

## The parameters here : rice\_pot(list) “Spanish\_Pot or rice = lists in python)

for i in range(len(rice\_pot)):

rice\_pot[i] \*= 2

## now let’s use the function

original\_pot = [1, 2, 3, 4, 5]

double\_rice(original\_pot)

print(original\_pot)

**References:**

W3Schools. (n.d.). Python Lists. Retrieved from <https://www.w3schools.com/python/python_lists.asp>

Dr. Chuck [YouTube username]. (2020, 27th Feb). Python Lists [Video]. YouTube. <https://youtu.be/Y0cvfDpYC_c?si=6F2b2hYcA20jsHcc> .