INTERNSHIP TASKS

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Course : Python

Org : IGIAT – VSKP

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Day 6: EXERCISE – 6

Exercise Level 1 and 2

#Exercise Level 1:

print("EXERCISE LEVEL 1")

#Task 1:

print("Task 1: Create an empty tuple")*;*

my\_tuple = ()*;*

#Task 2:

print("\n\nTask 2: Create a tuple containing names of your sisters and yours brothers")*;*

my\_brothers = ("Deva", "Manikanta", "Jeevan", "Adithya")*;*

my\_sisters = ("Surekha", "Swathi", "Rajeswari", "Swapna")*;*

#Task 3:

print("\n\nTask 3: Join brothers and sisters tuples and assign it to sibilings")*;*

my\_sibilings = my\_brothers + my\_sisters*;*

#Task 4:

print("\n\nTask 4: How many sibilings do you have?")*;*

print(f"I have  {len(my\_sibilings)} sibilings!")*;*

#Task 5:

print("\n\nTask 5: Modify the sibilings tuple and add the name of your father and mother and assign it to family\_members")*;*

try:

    my\_sibilings.append("Mallikarjuna"); #Adding father name to the end of my\_sibilings tuple

except Exception as e:

    print("Modifying tuple is not possible")*;*

    print("Error!", e)*;*

#hence creating a new tuple and adding my\_sibilings to it

family\_members = ("Mallikarjuna", "Suguna") + my\_sibilings*;*

print("The Family members tuple : ", family\_members)*;*

#Exercise : Level 2

#Task 1:

print("\n\nEXERCISE LEVEL 2")*;*

print("\n\nTask 1: Unpack sibilings and parents from family\_members")*;*

father\_name, mother\_name, \*sibilings = family\_members*;*

print("Unpacked : ", father\_name,"-", mother\_name,"-",sibilings)*;*

#Task 2:

print("\n\nTask 2: Create fruits, vegetables, and animal products tuples. Join the three tuples and assign it to a variable called food\_stuff\_tp")*;*

fruits = ("Apple", "Banana", "Cherry", "Dragon Fruit")*;*

vegetables = ("Potato", "Brinjal", "Radish", "Tomato")*;*

non\_vegetables = ("Chicken", "Mutton", "Fish", "Shrimp")*;*

food\_stuff\_tp = fruits + vegetables + non\_vegetables*;*

print("The Food Stuff Tuple : ", food\_stuff\_tp)*;*

#Task 3:

print("\n\nTask 3: Change the about food\_stuff\_tp tuple to a food\_stuff\_lt list")*;*

food\_stuff\_lt = list(food\_stuff\_tp)*;*

print("The Food Stuff List : ", food\_stuff\_lt)*;*

#Task 4:

print("\n\nTask 4: Slice out the middle item or items from the food\_stuff\_tp tuple or food\_stuff\_lt list")*;*

print("The Middle item of the tuple : ", food\_stuff\_tp[int(len(food\_stuff\_tp) / 2)])*;*

print("The Middle item of the list : ", food\_stuff\_lt[int(len(food\_stuff\_lt) / 2)])*;*

#Task 5:

print("\n\nTask 5: Slice out the first three items and last three items from food\_stuff\_li list")*;*

print("The first three items : ", food\_stuff\_lt[0:3])*;*

print("The last three items : ", food\_stuff\_lt[-3:])*;*

#Task 6:

print("\n\nTask 6: Delete the food\_stuff\_tp tuple completely")*;*

try:

    del food\_stuff\_tp*;*

    print("Trying to access! food\_stuff\_tp....")*;*

    print(food\_stuff\_tp)*;*

except Exception as e:

    print("Exception raised and hence the tuple is deleted....")*;*

    print("Exception :", e)*;*

#Task 7:

print("\n\nTask 7: Check if an item exists in tuple")*;*

nordic\_contries = ("Denmark", "Finland", "Iceland", "Norway", "Sweden")*;*

print("Tuple : ", nordic\_contries)*;*

print("Estonia is in the above tuple : ", ("Estonia" in nordic\_contries))*;*

print("Iceland is in the above tuple : ", ("Iceland" in nordic\_contries))*;*

**Outputs:**



