Malaika Abid (malaika.ma25@gmail.com)

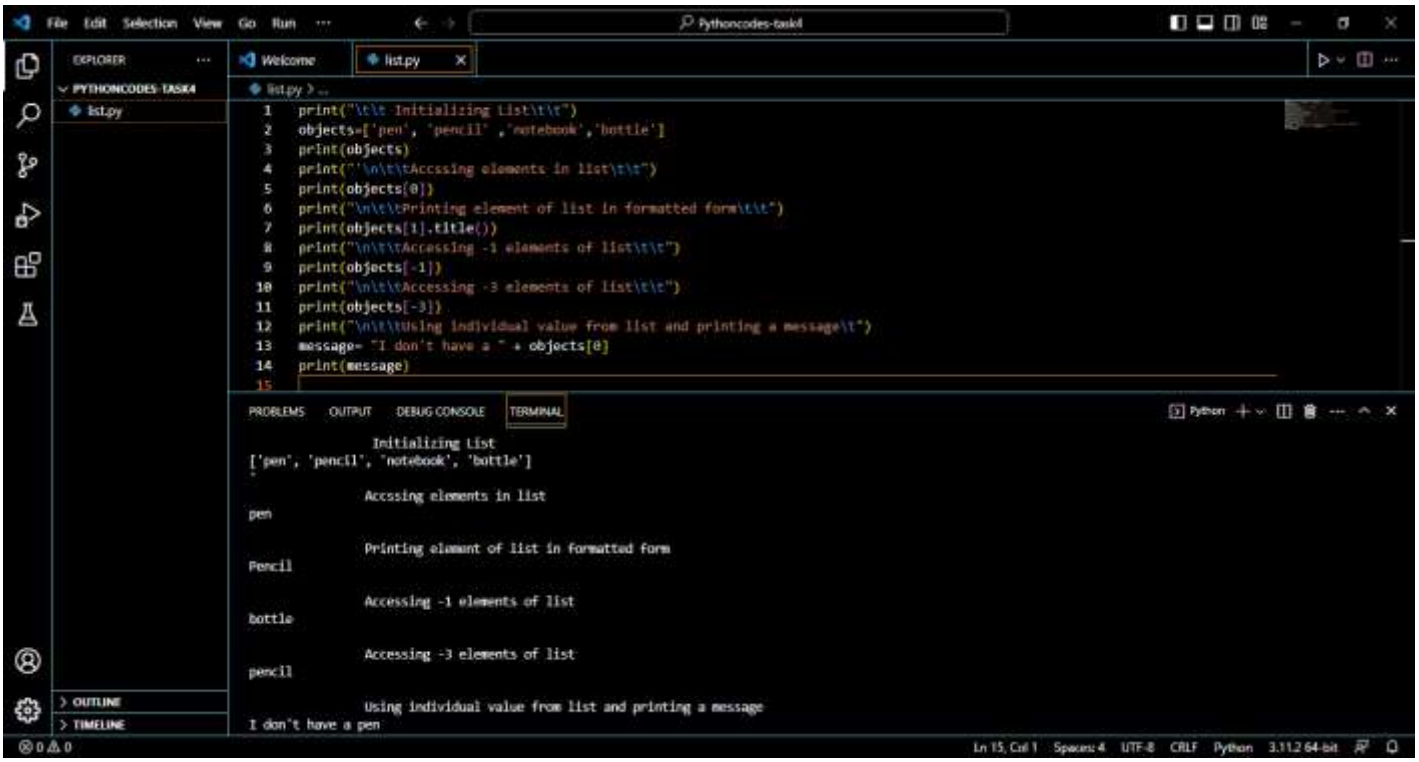
Deep Learning Bytewise Fellow

TASK # 04

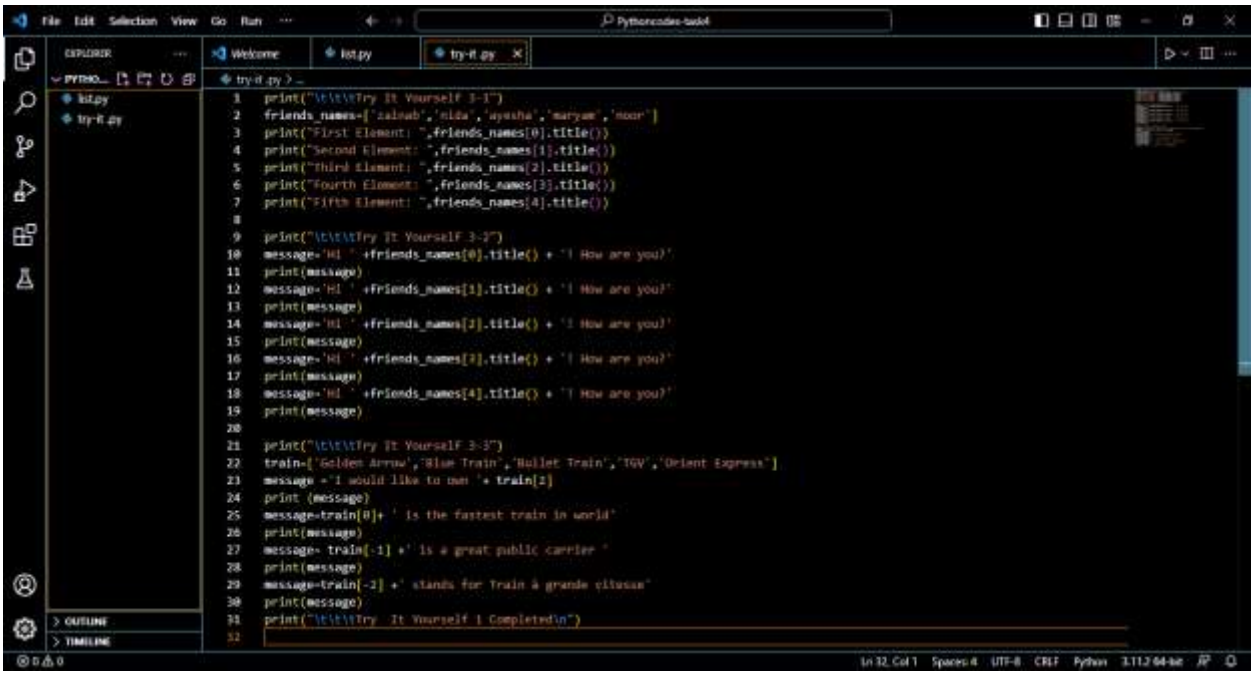
Contents

Lists

- **Creating, Accessing elements in List**



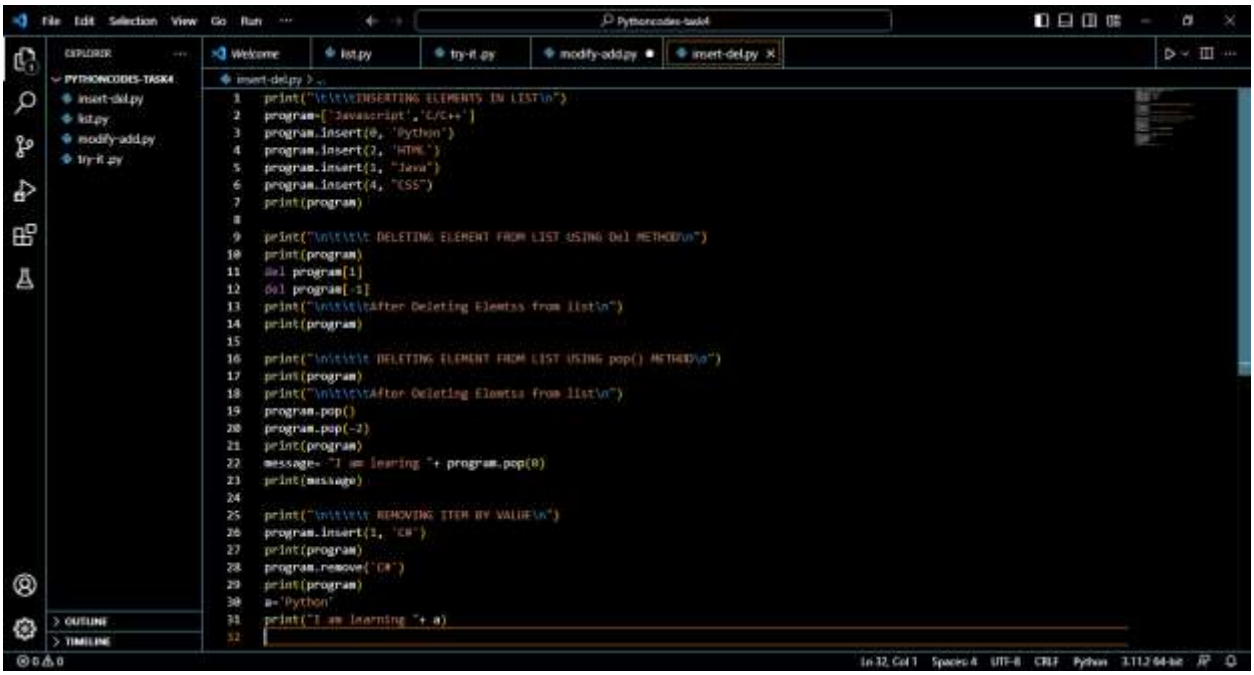
- **TRY IT YOURSELF 1 SOLUTION**

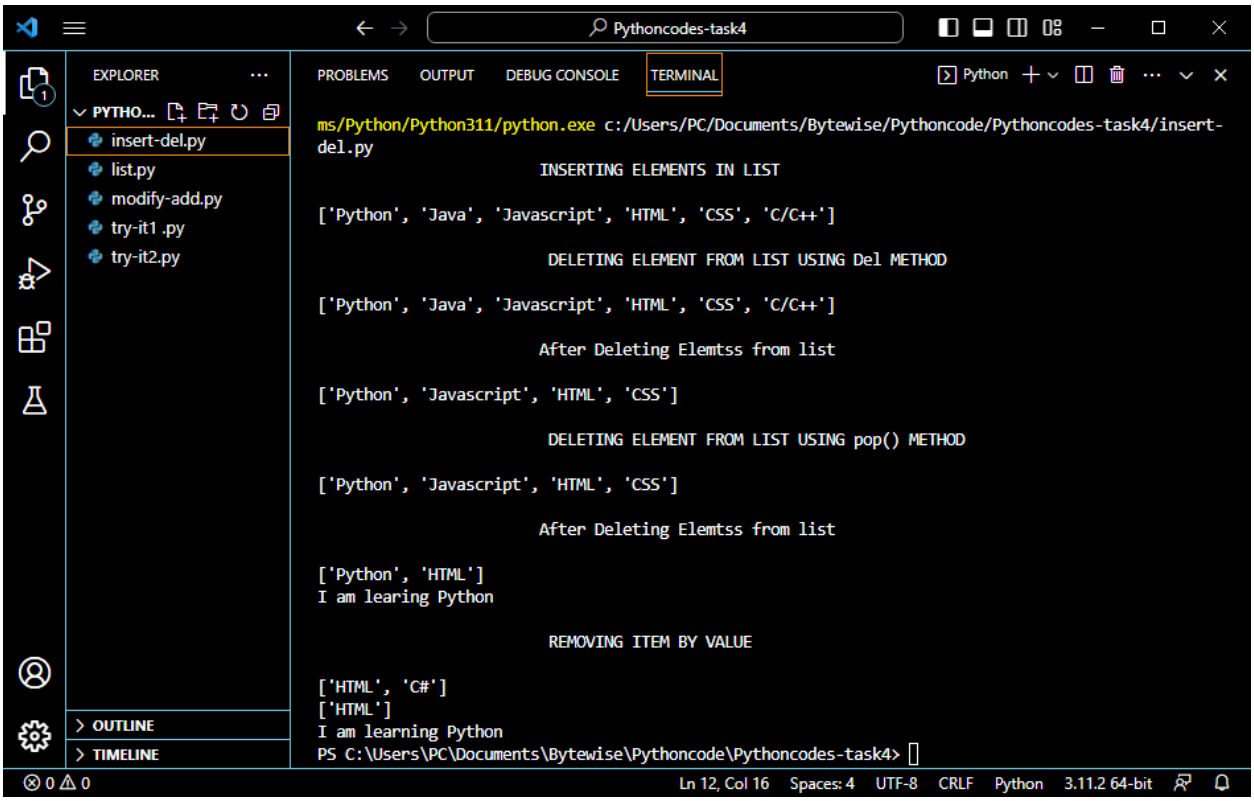


Changing, Adding and Removing Elements

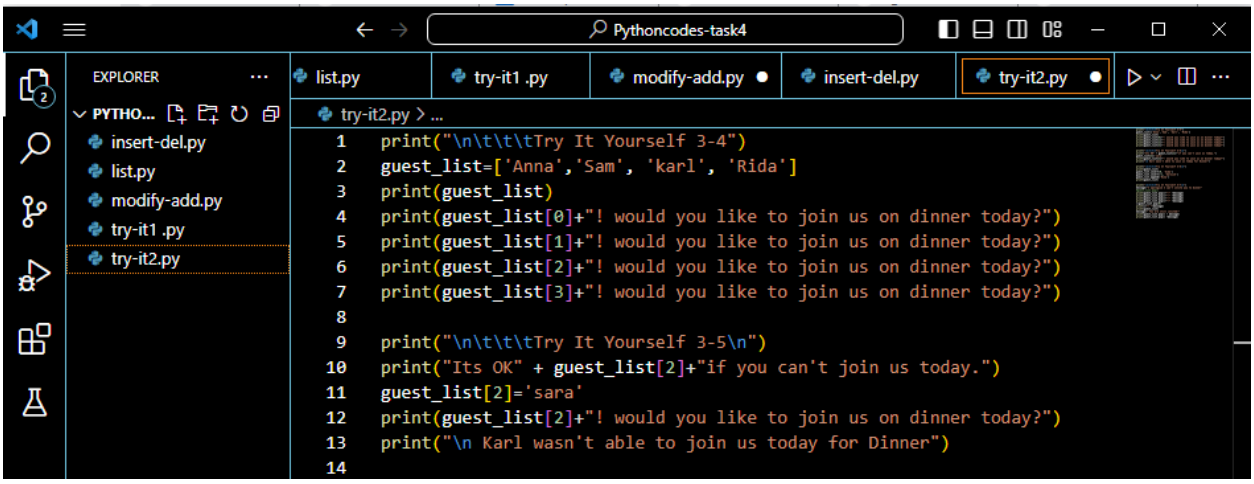
- **Modifying and Adding Element**

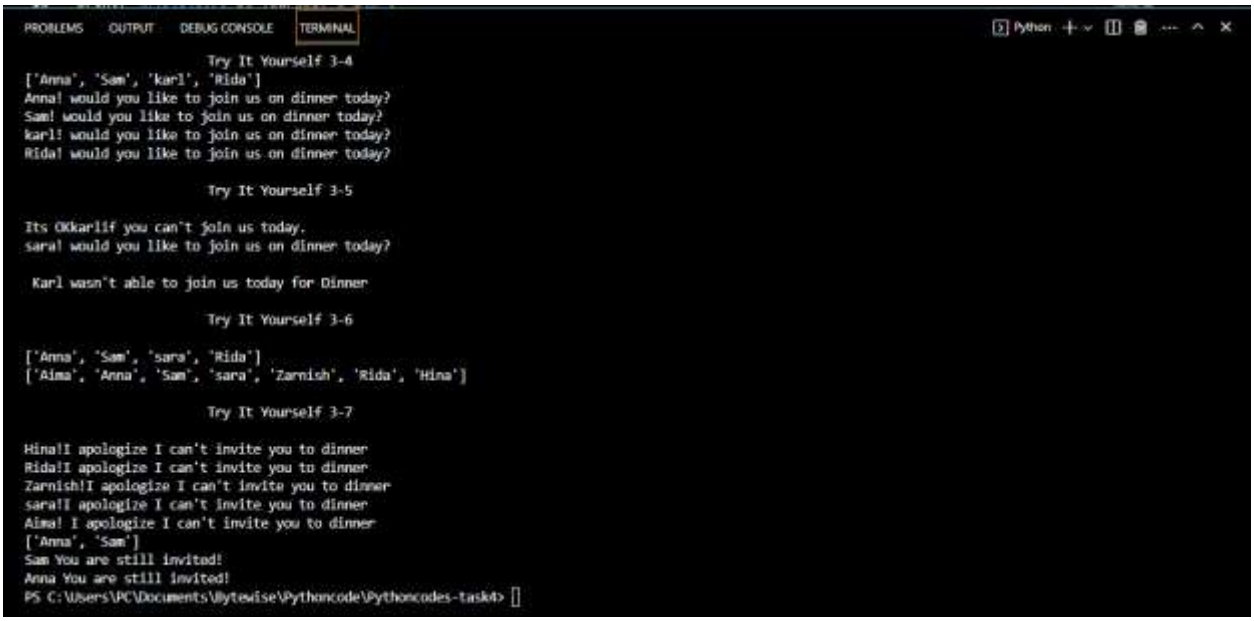
- **Inserting and Deleting Elements**





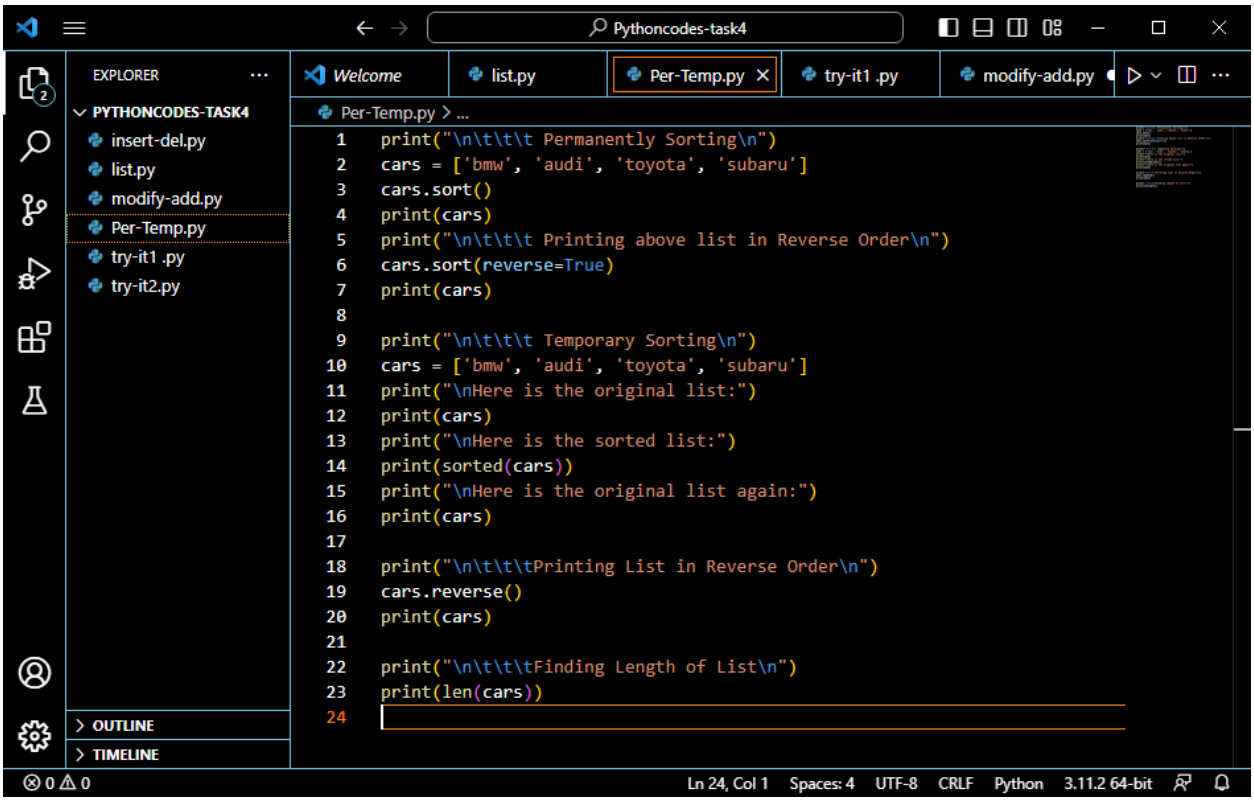
- **TRY IT YOURSELF 2 SOLUTION**





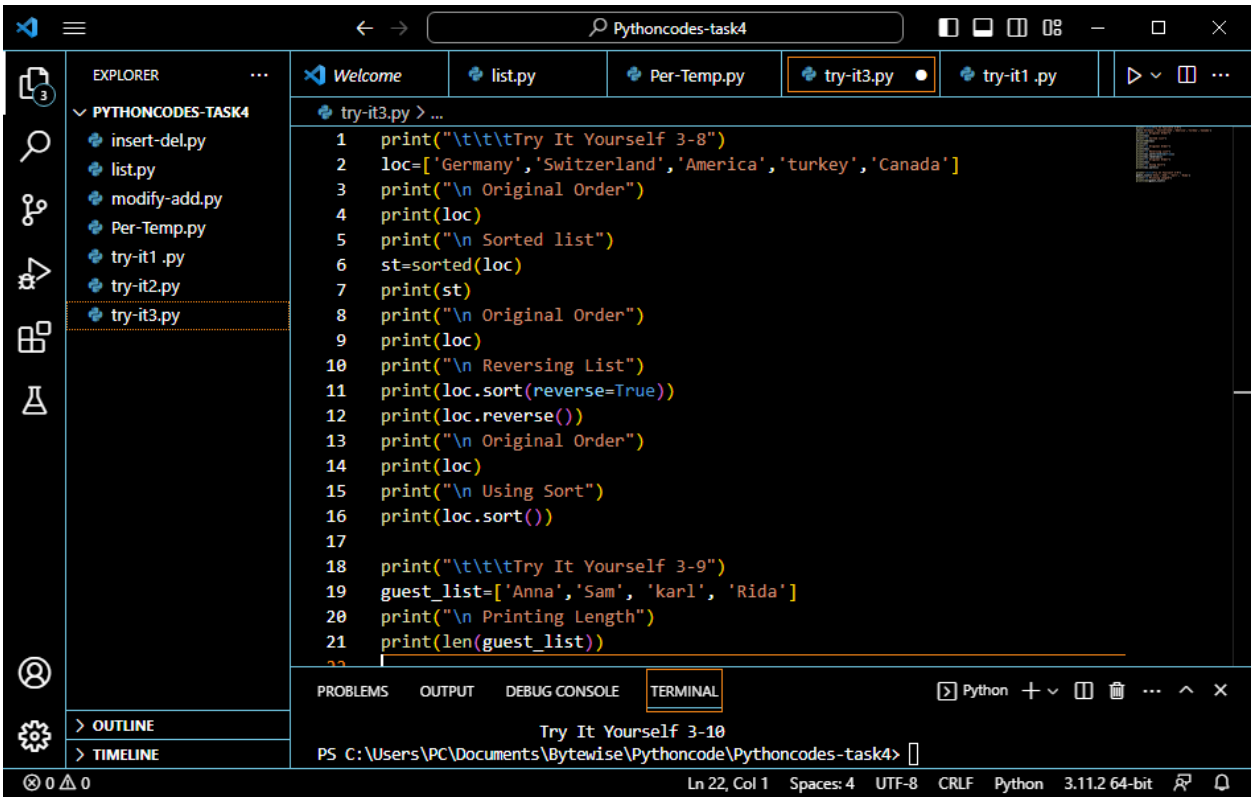
Organizing In List

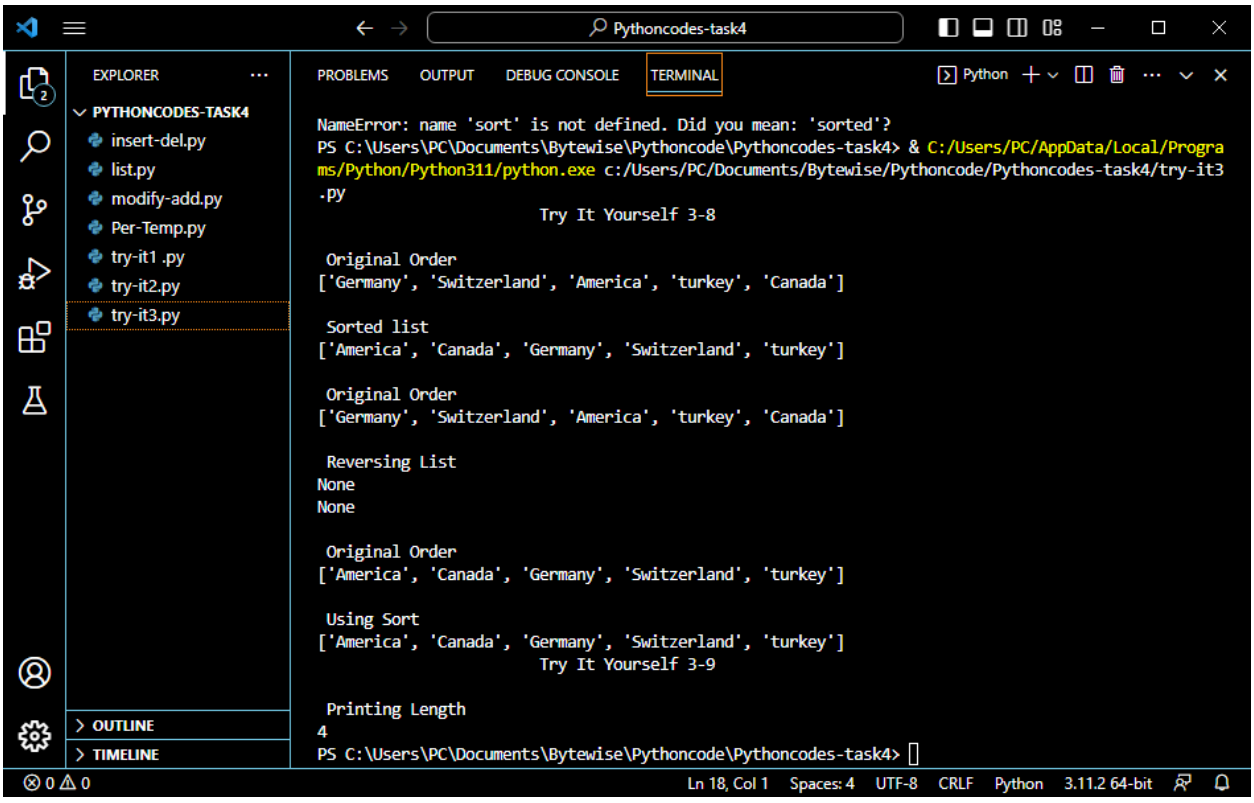
- **Permanent & Temporary Sorting – Length of list**



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL                                  Python

                    Permanently Sorting

['audi', 'bmw', 'subaru', 'toyota']

                    Printing above list in Reverse Order

['toyota', 'subaru', 'bmw', 'audi']

                    Temporary Sorting


Here is the original list:
['bmw', 'audi', 'toyota', 'subaru']

Here is the sorted list:
['audi', 'bmw', 'subaru', 'toyota']

Here is the original list again:
['bmw', 'audi', 'toyota', 'subaru']

                    Printing List in Reverse Order

['subaru', 'toyota', 'audi', 'bmw']

                    Finding Length of List

4
PS C:\Users\PC\Documents\Bytewise\Pythoncode\Pythoncodes-task4>
```

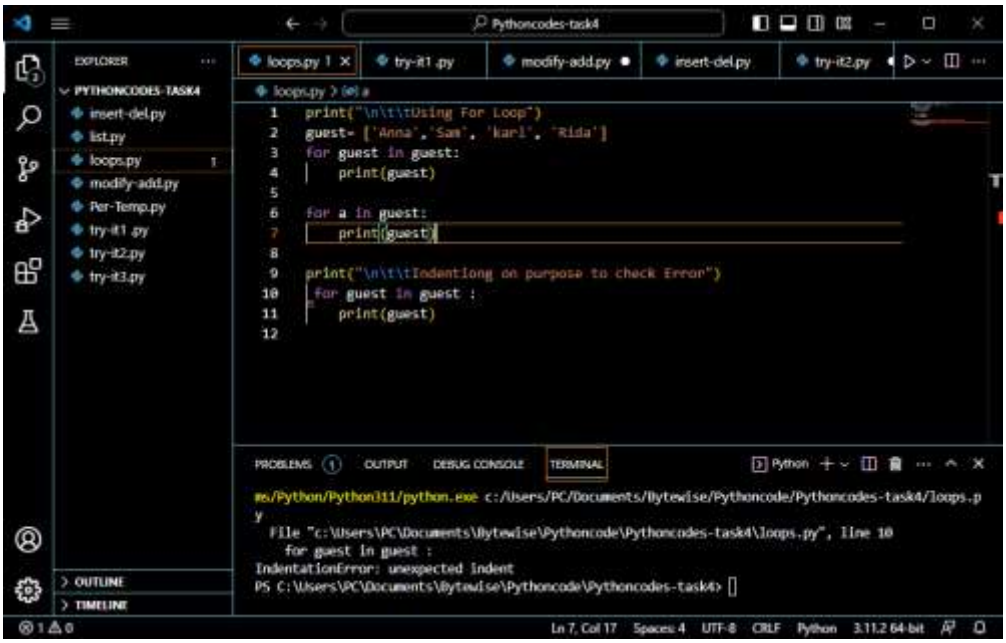
- **TRY IT YOURSELF 3 SOLUTION**



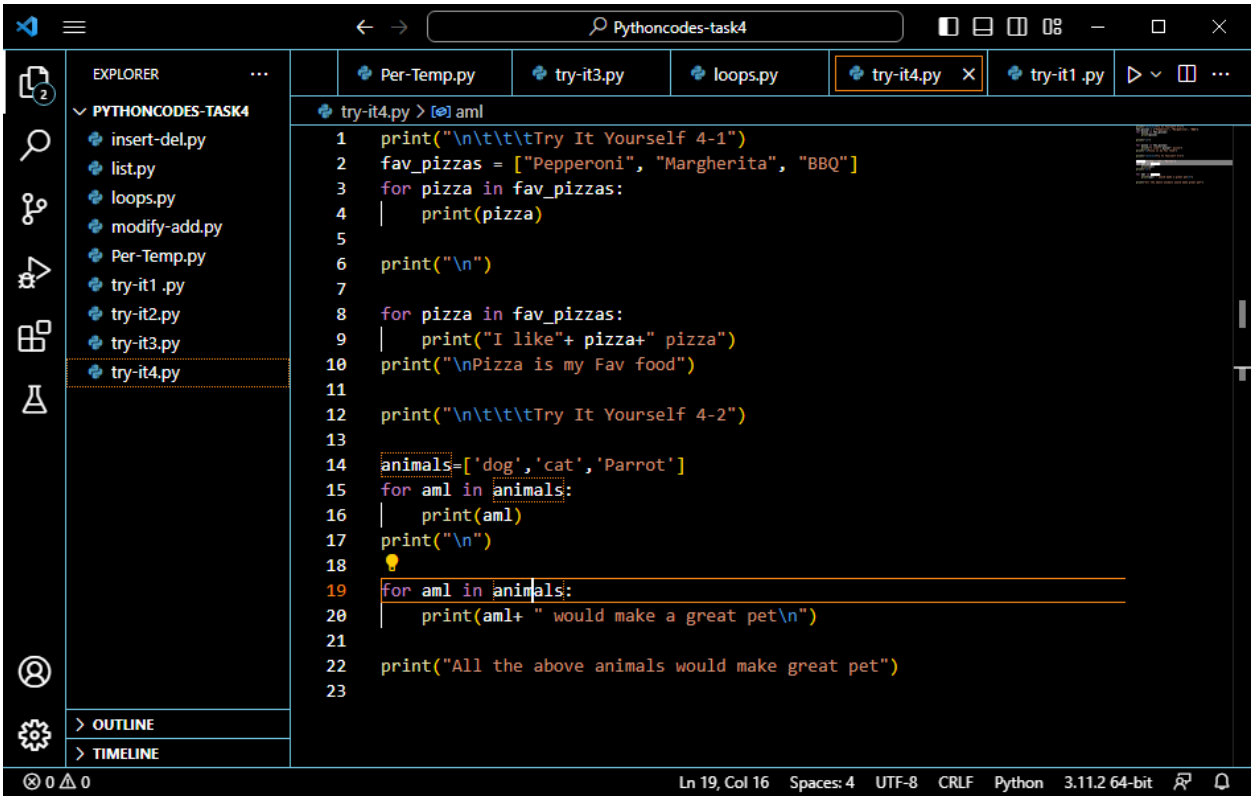


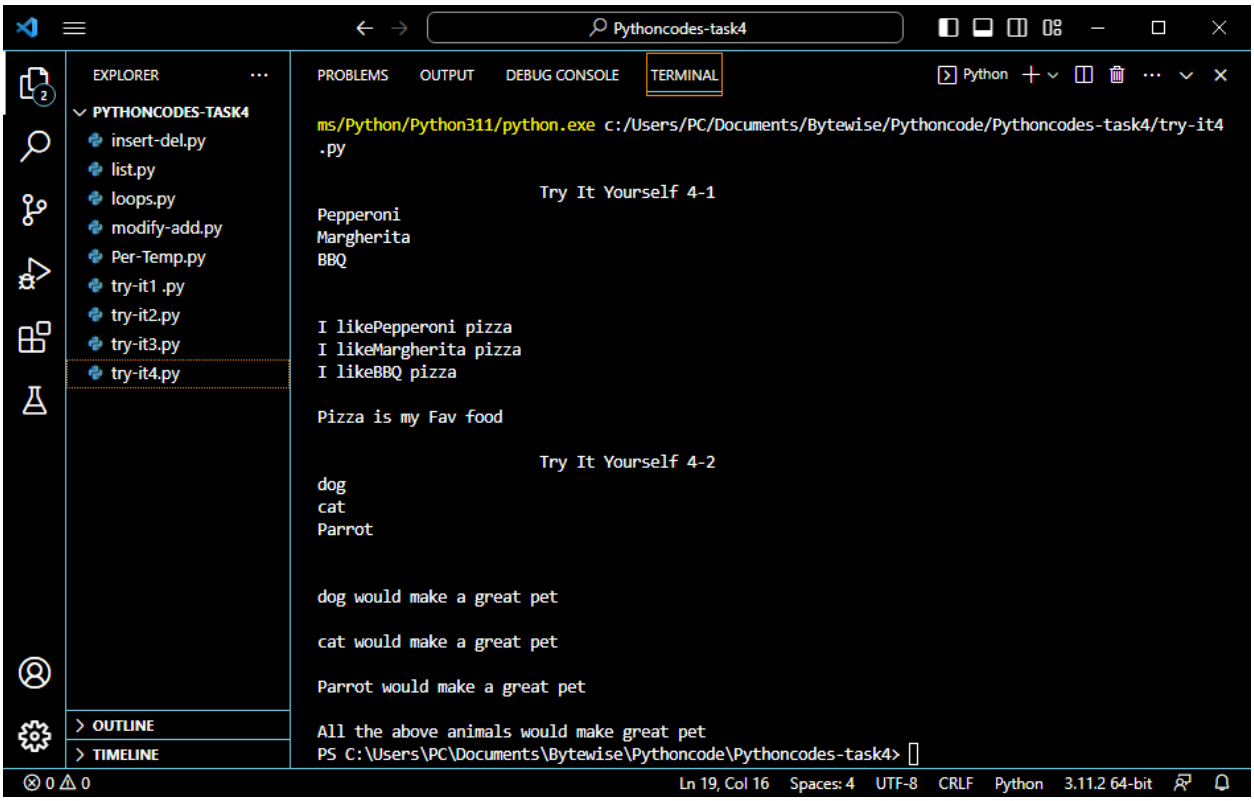
Loops

- ## For Loop and Indentation Error



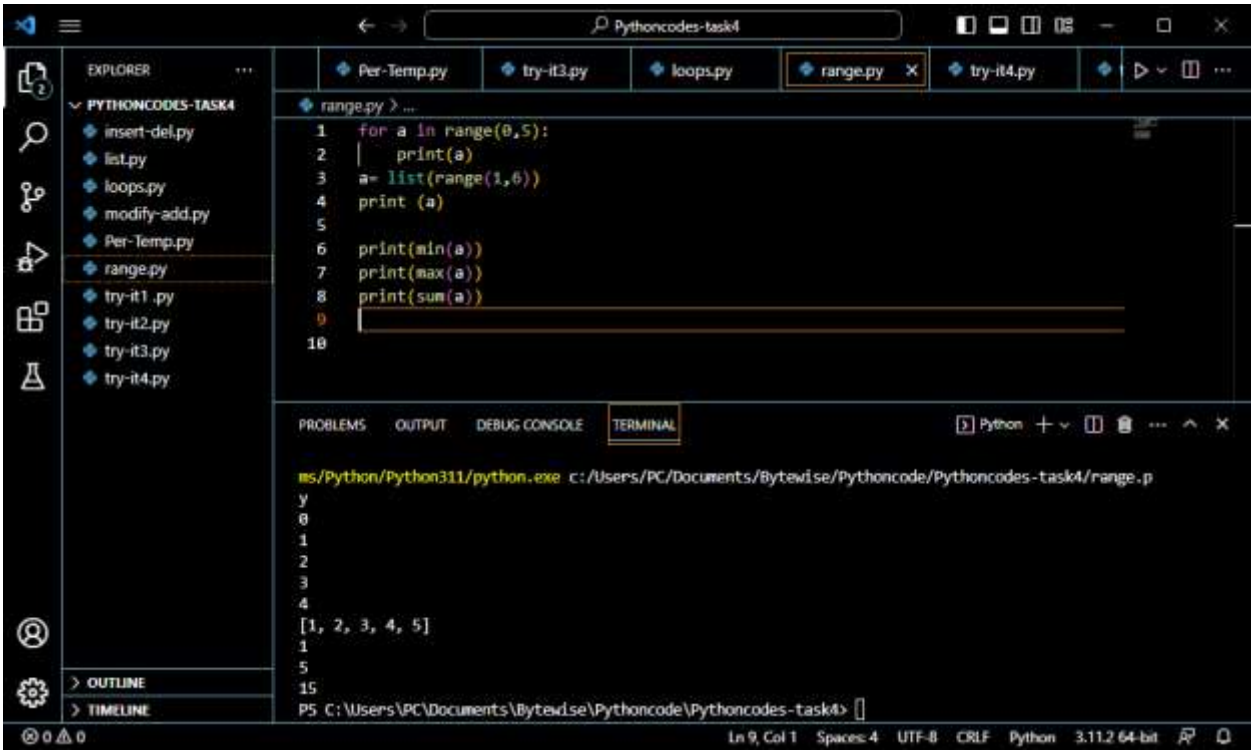
- **TRY IT YOURSELF 4**



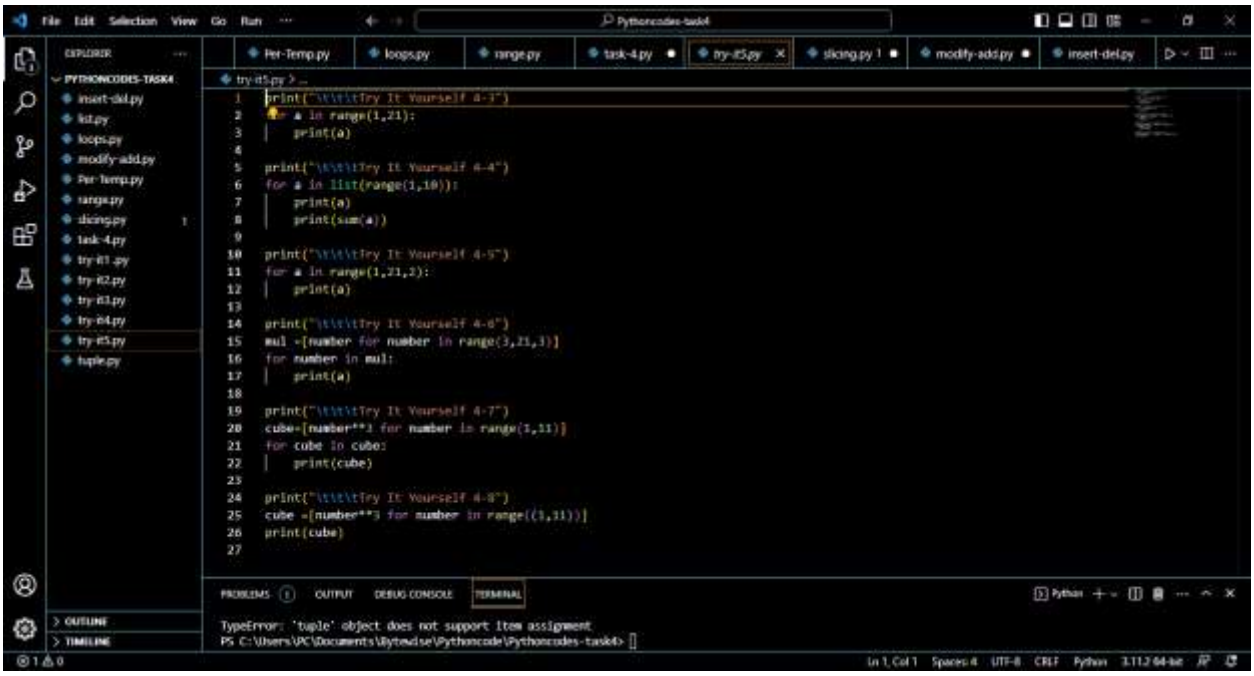

Pythoncodes-task4
EXPLORER
PYTHONCODES-TASK4
insert-del.py
list.py
loops.py
modify-add.py
Per-Temp.py
try-it1 .py
try-it2.py
try-it3.py
try-it4.py
OUTLINE
TIMELINE
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
ms/Python/Python311/python.exe c:/Users/PC/Documents/Bytewise/Pythoncode/Pythoncodes-task4/try-it4
.py
Try It Yourself 4-1
Pepperoni
Margherita
BBQ
I likePepperoni pizza
I likeMargherita pizza
I likeBBQ pizza
Pizza is my Fav food
Try It Yourself 4-2
dog
cat
Parrot
dog would make a great pet
cat would make a great pet
Parrot would make a great pet
All the above animals would make great pet
PS C:\Users\PC\Documents\Bytewise\Pythoncode\Pythoncodes-task4>
0 0
Ln 19, Col 16
Spaces: 4
UTF-8
CRLF
Python
3.11.2 64-bit

Numerical List

- **Range(), min(), max(), sum() Function**



TRY IT YOURSELF 5



- **Tuples**


Pythoncodes-task4
EXPLORER
PYTHONCODES-TASK4
insert-del.py
list.py
loops.py
modify-add.py
Per-Temp.py
range.py
slicing.py
task-4.py
try-it1 .py
try-it2.py
try-it3.py
try-it4.py
try-it5.py
tuple.py
OUTLINE
TIMELINE
Per-Temp.py
loops.py
range.py
task-4.py
tuple.py
tuple.py > ...
1 menu = ('rice', 'chicken', 'salad', 'bread', 'tea')
2 for food in menu:
3 print(food)
4 menu = ('chowmin', 'beef', 'salad', 'garlic bread', 'soup')
5 for food in menu:
6 print(food)
7 menu[0] = 'pasta'
8 for food in menu:
9 print(food)
10
PROBLEMS 1
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
PS C:\Users\PC\Documents\Bytewise\Pythoncode\Pythoncodes-task4> & C:/Users/PC/AppData/Local/Programs/Pytho
e/Pythoncode/Pythoncodes-task4/tuple.py
rice
chicken
salad
Ln 10, Col 5
Spaces: 4
UTF-8
CRLF
Python
3.11.2 64-bit