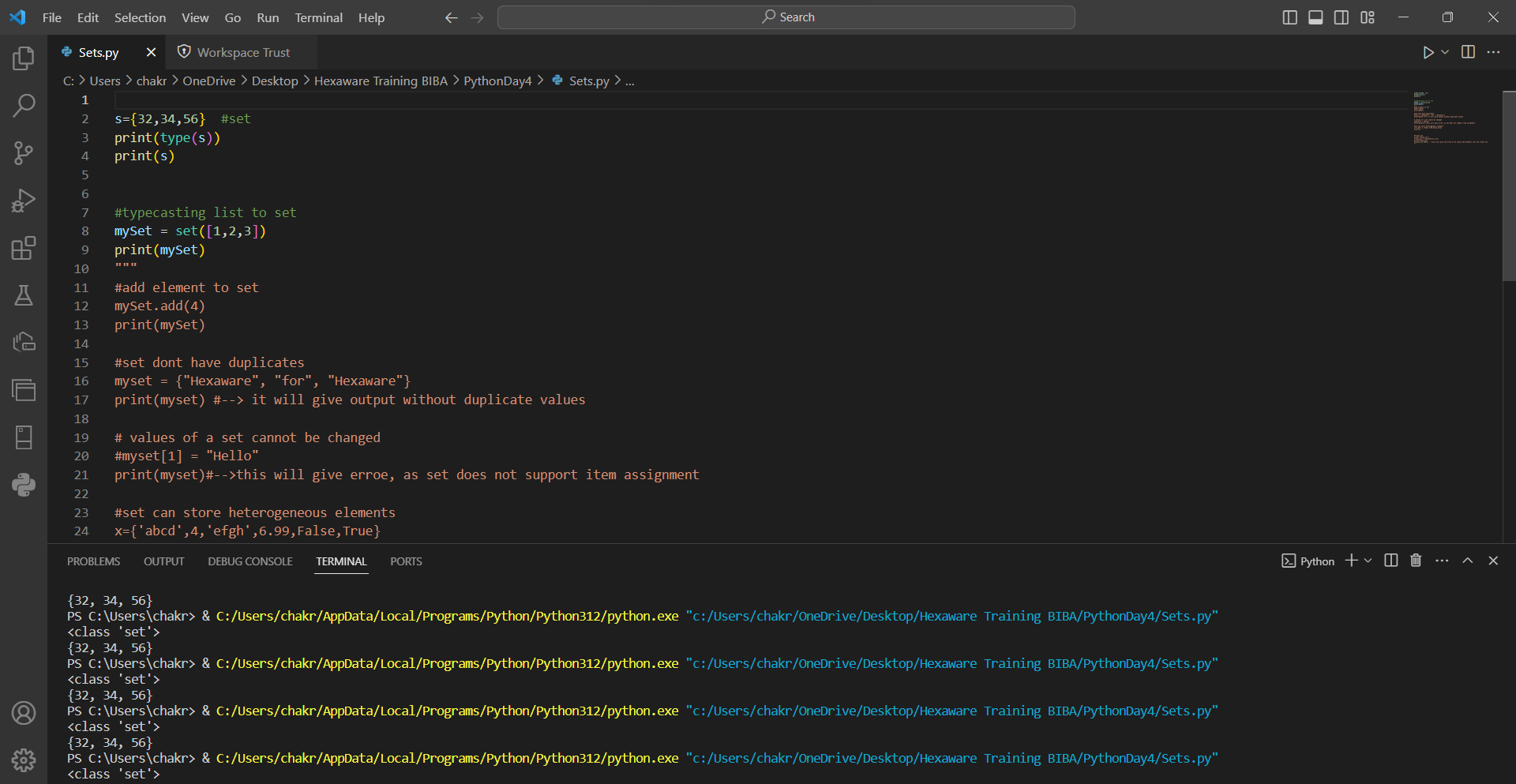
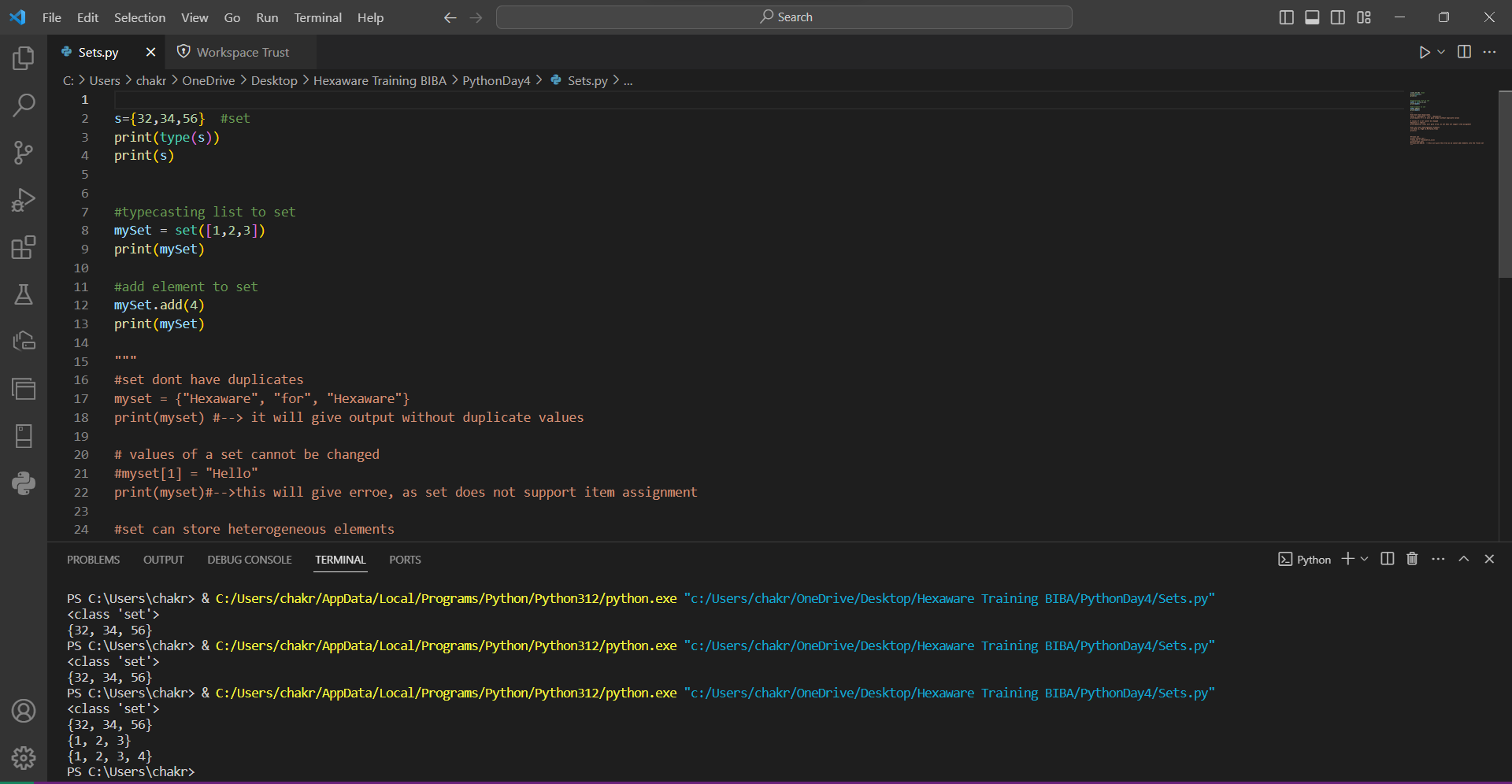
15/12/2023

Chakradhar Bhogapurapu

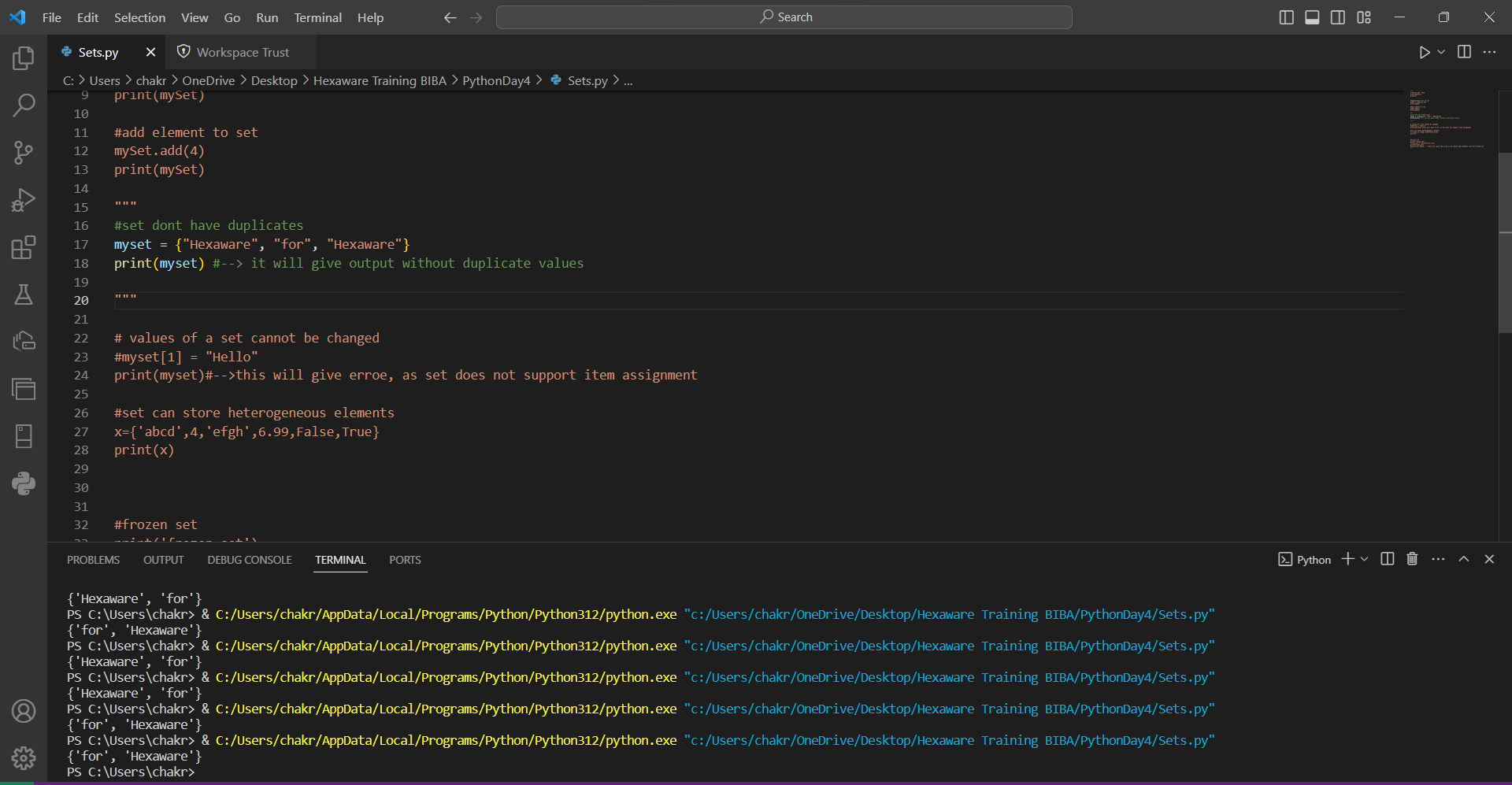
SETS

Set type

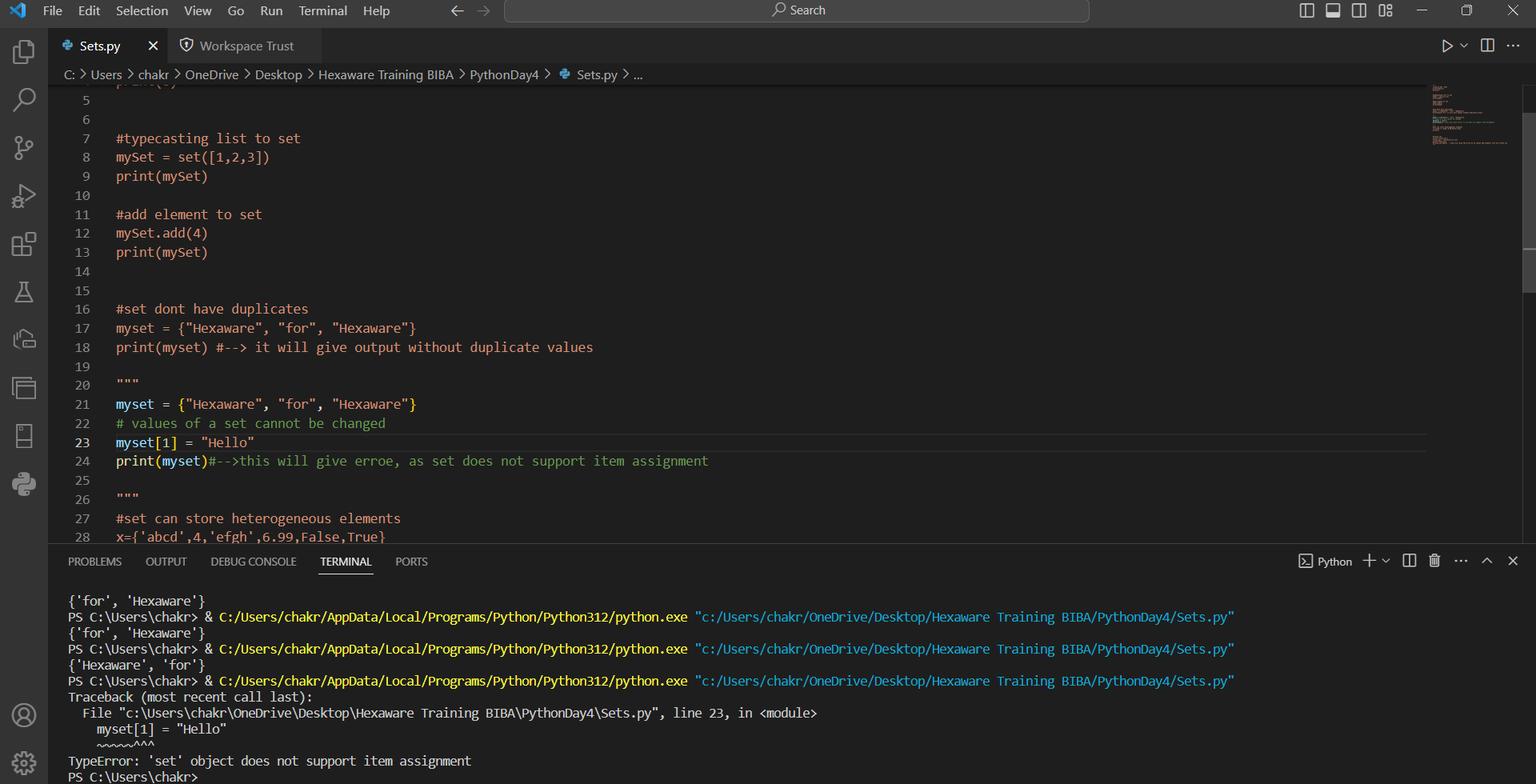
add()



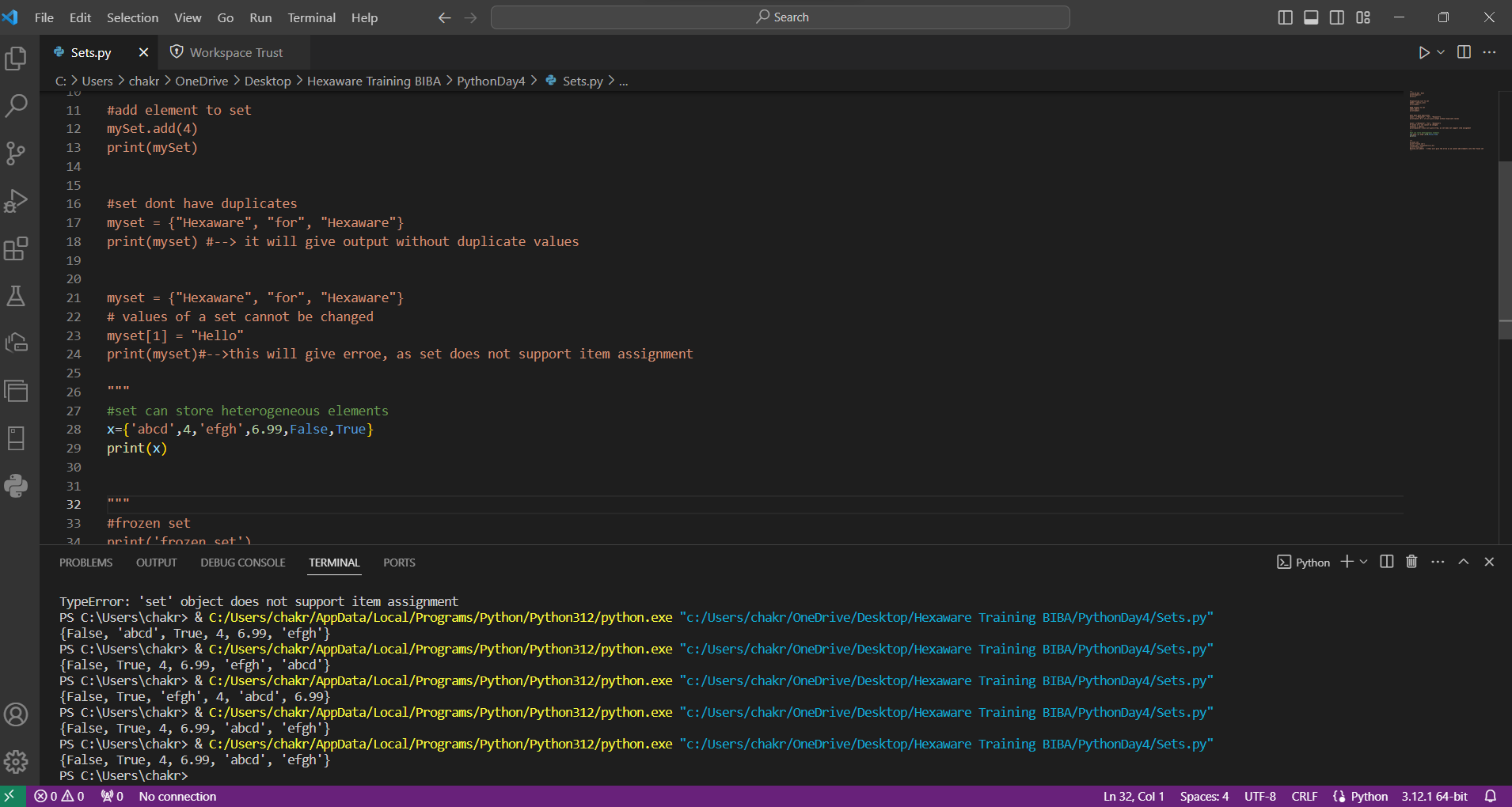
Duplicate : set do not allow duplicates



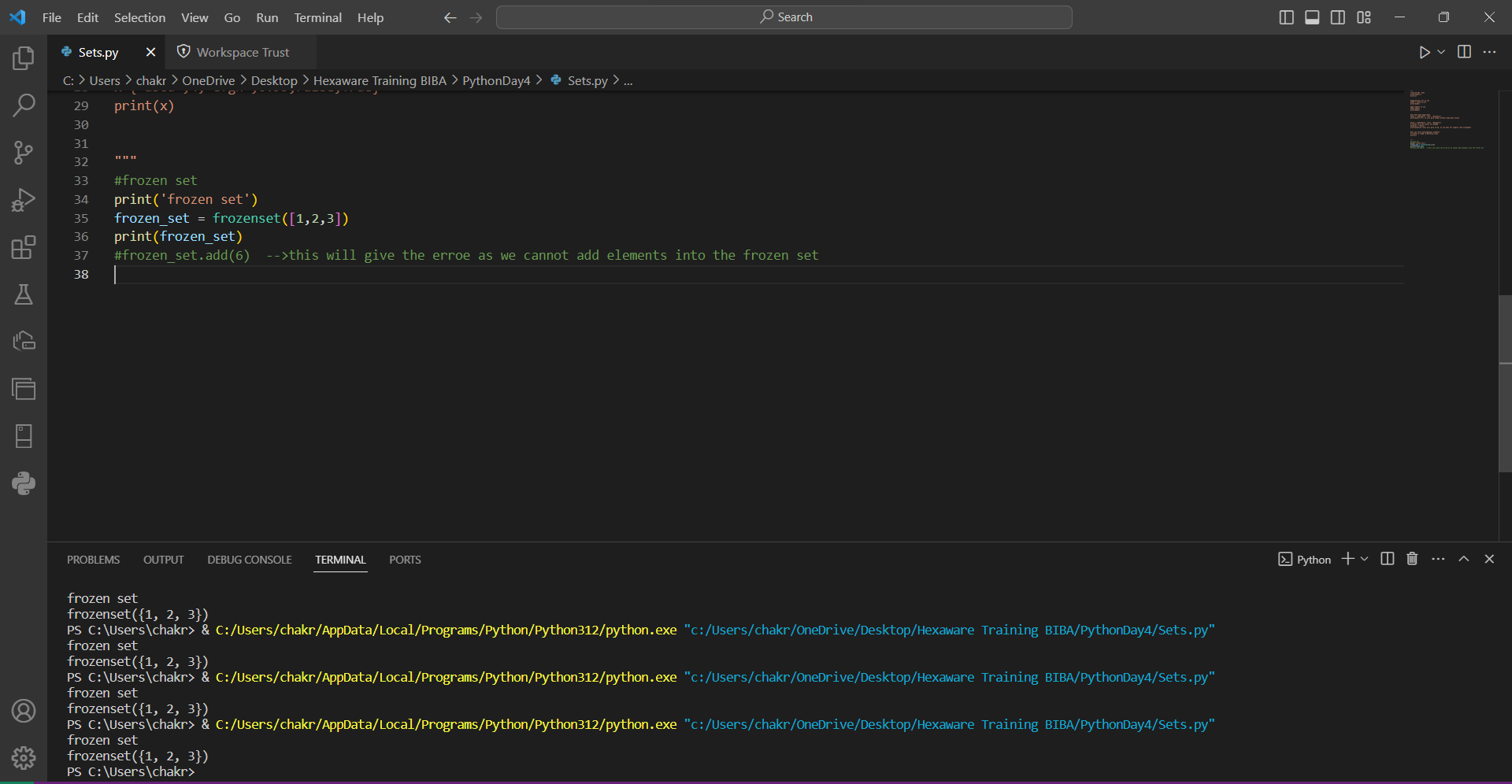
No value can be assigned to a particular index in sets



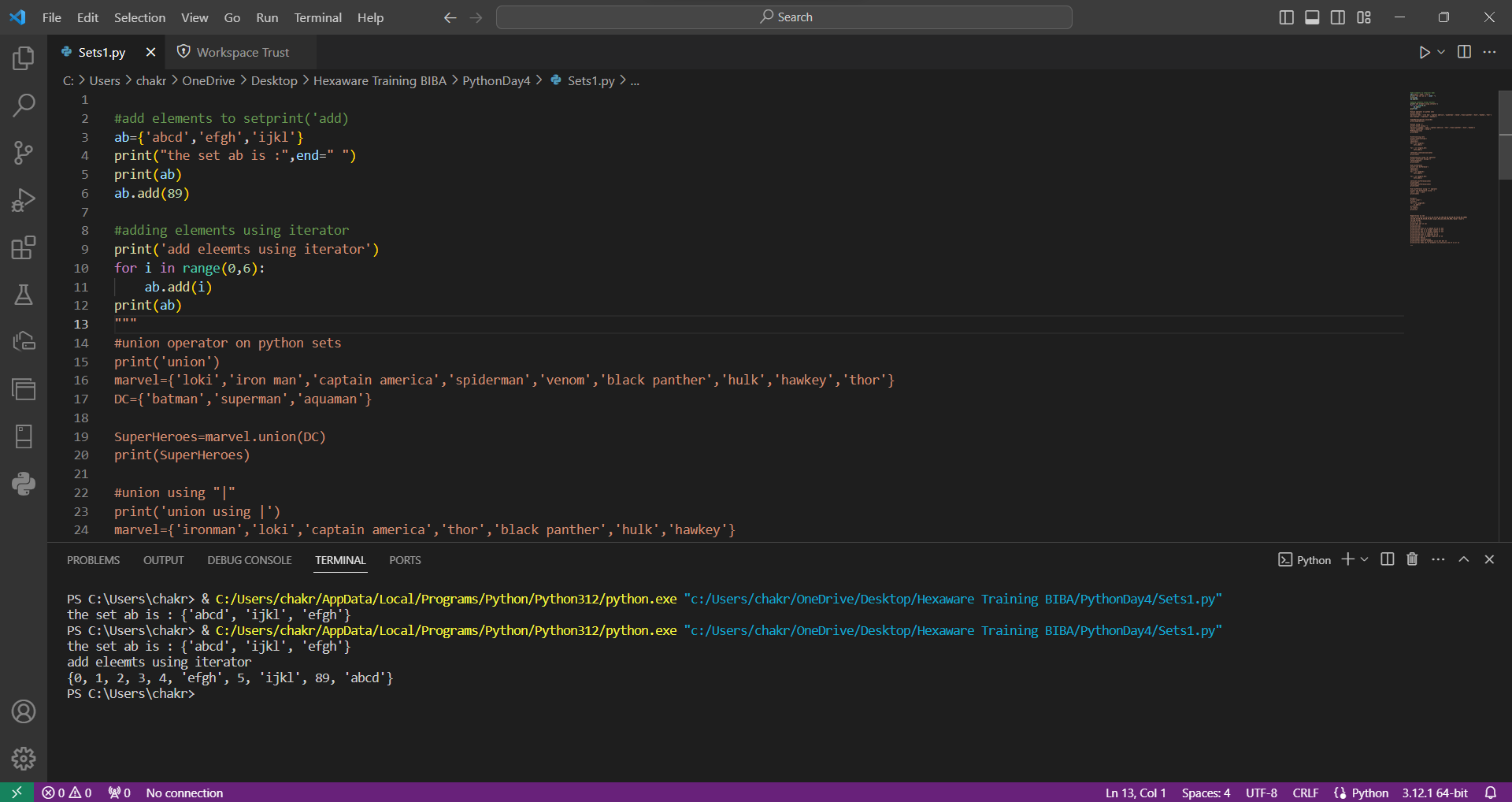
Heterpgeneous : Different data type elements can be there in set



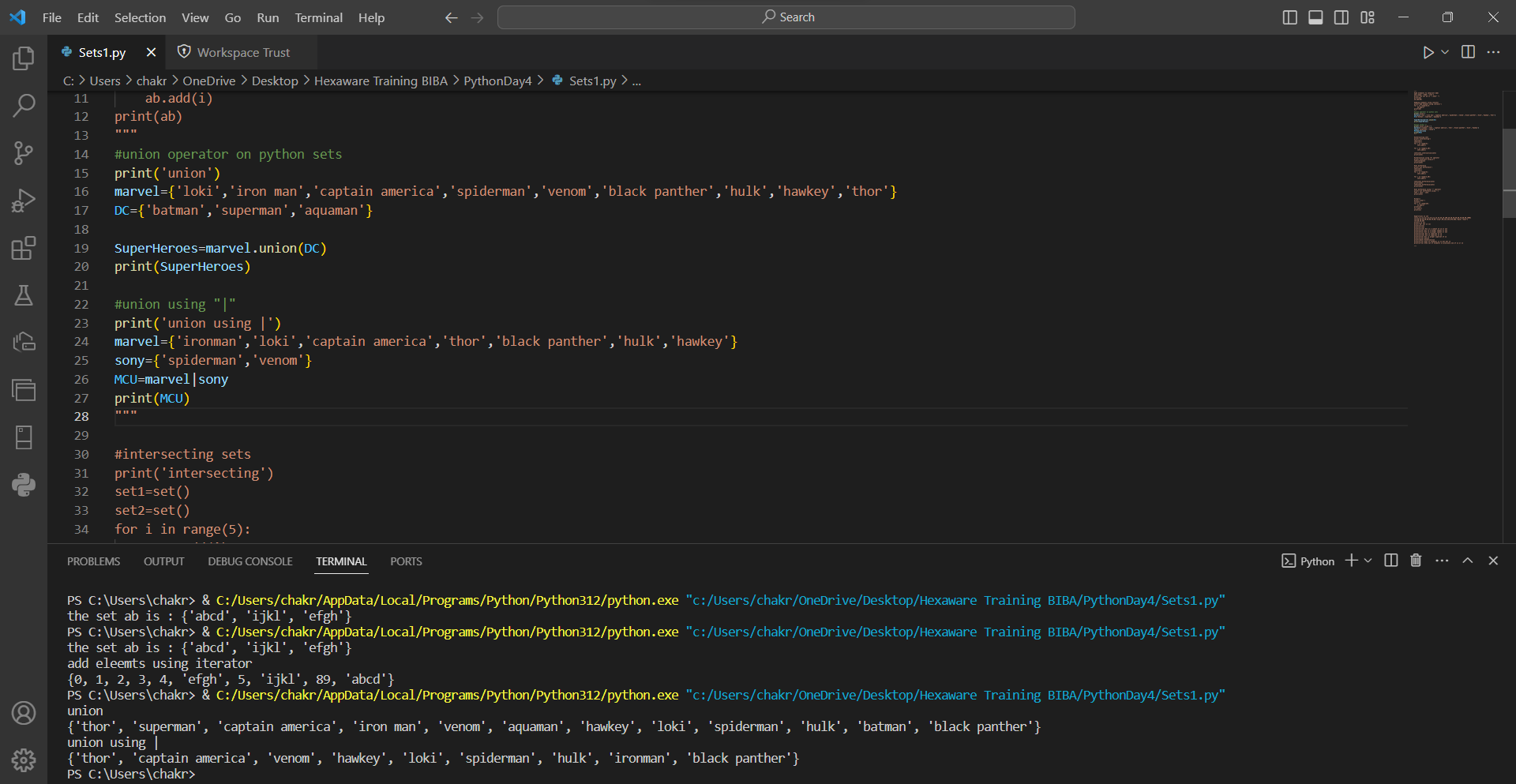
Frozen set : set that cant be updated



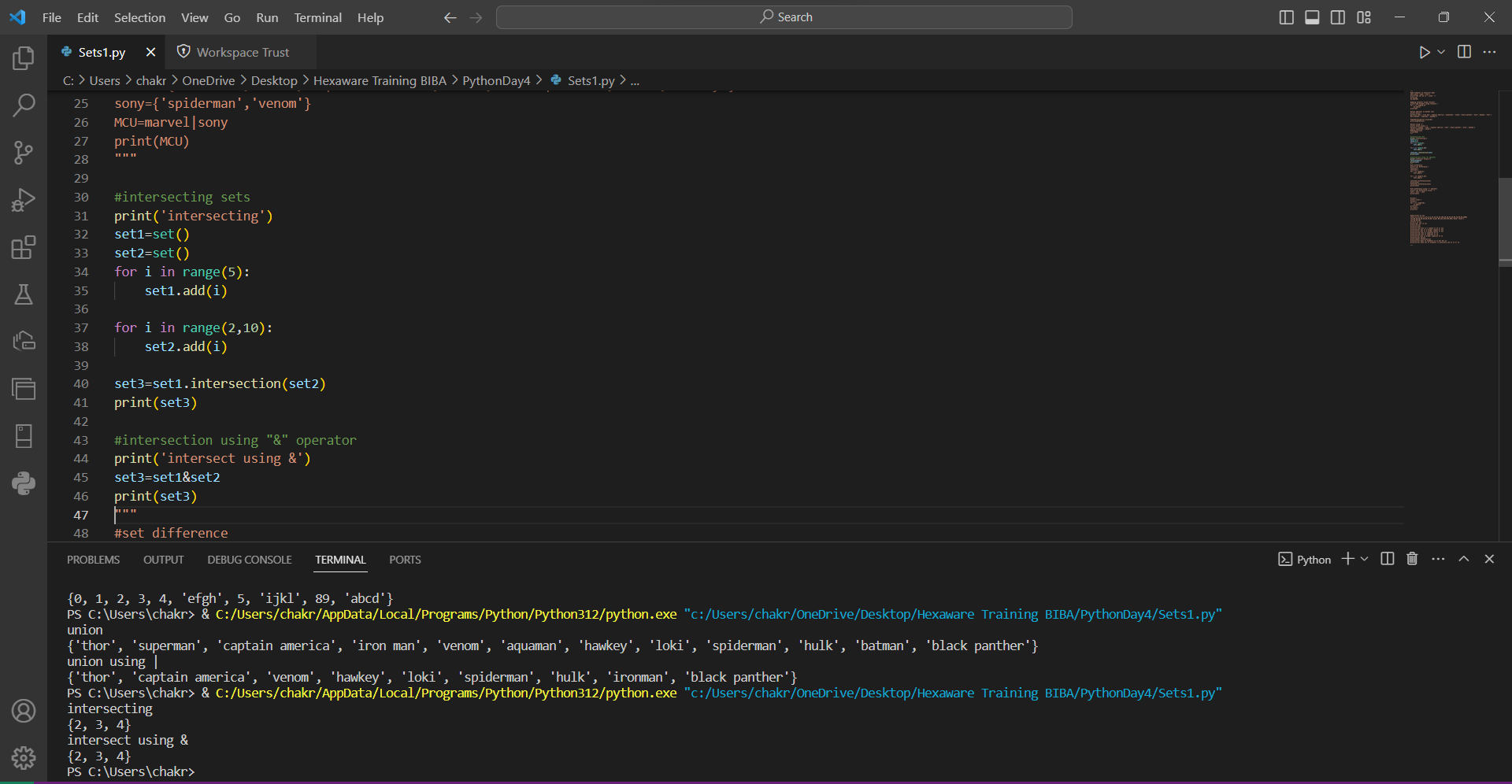
Add in Iterators : elements can be used using iterator



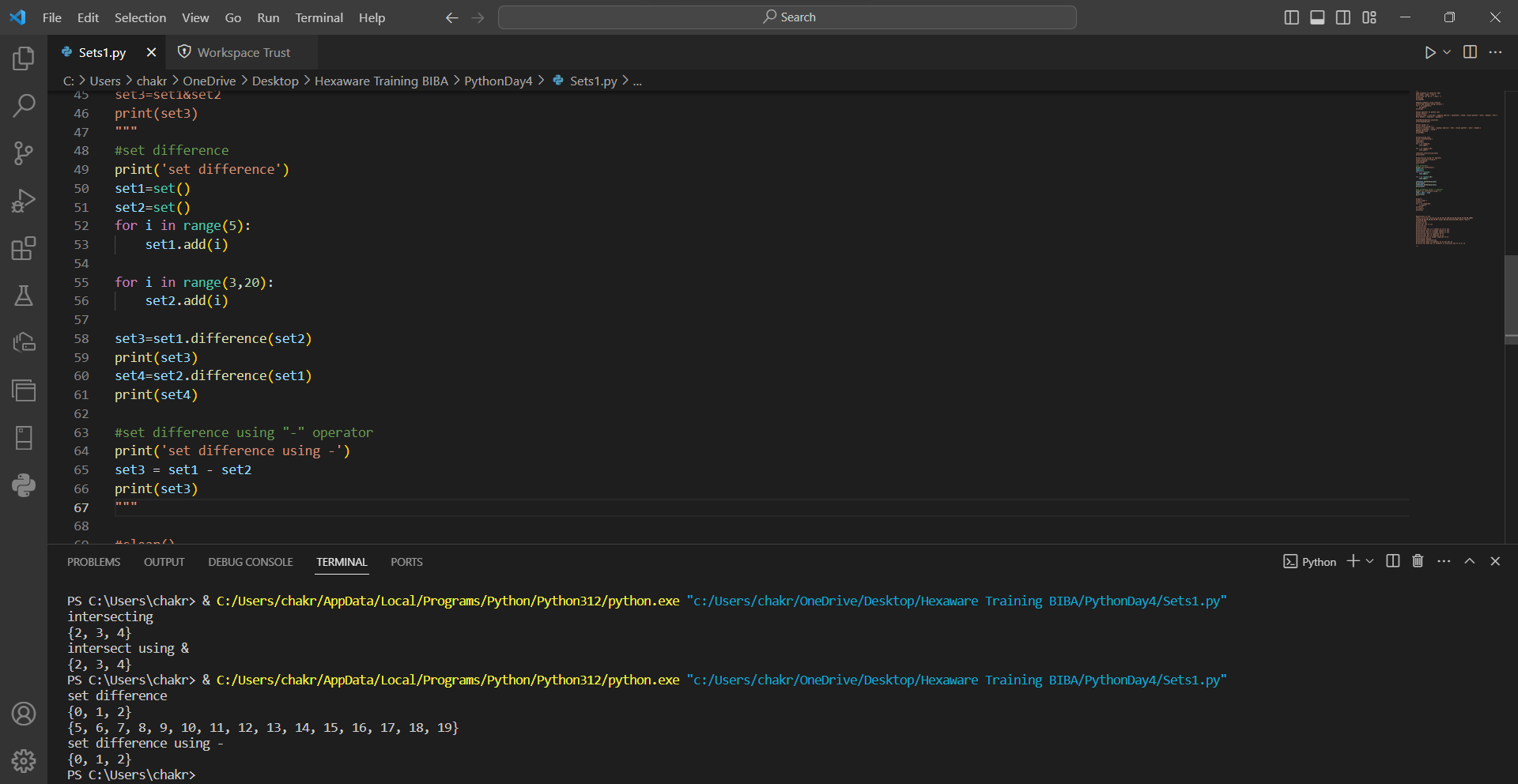
Union : Two sets can be combined using union() or “|”



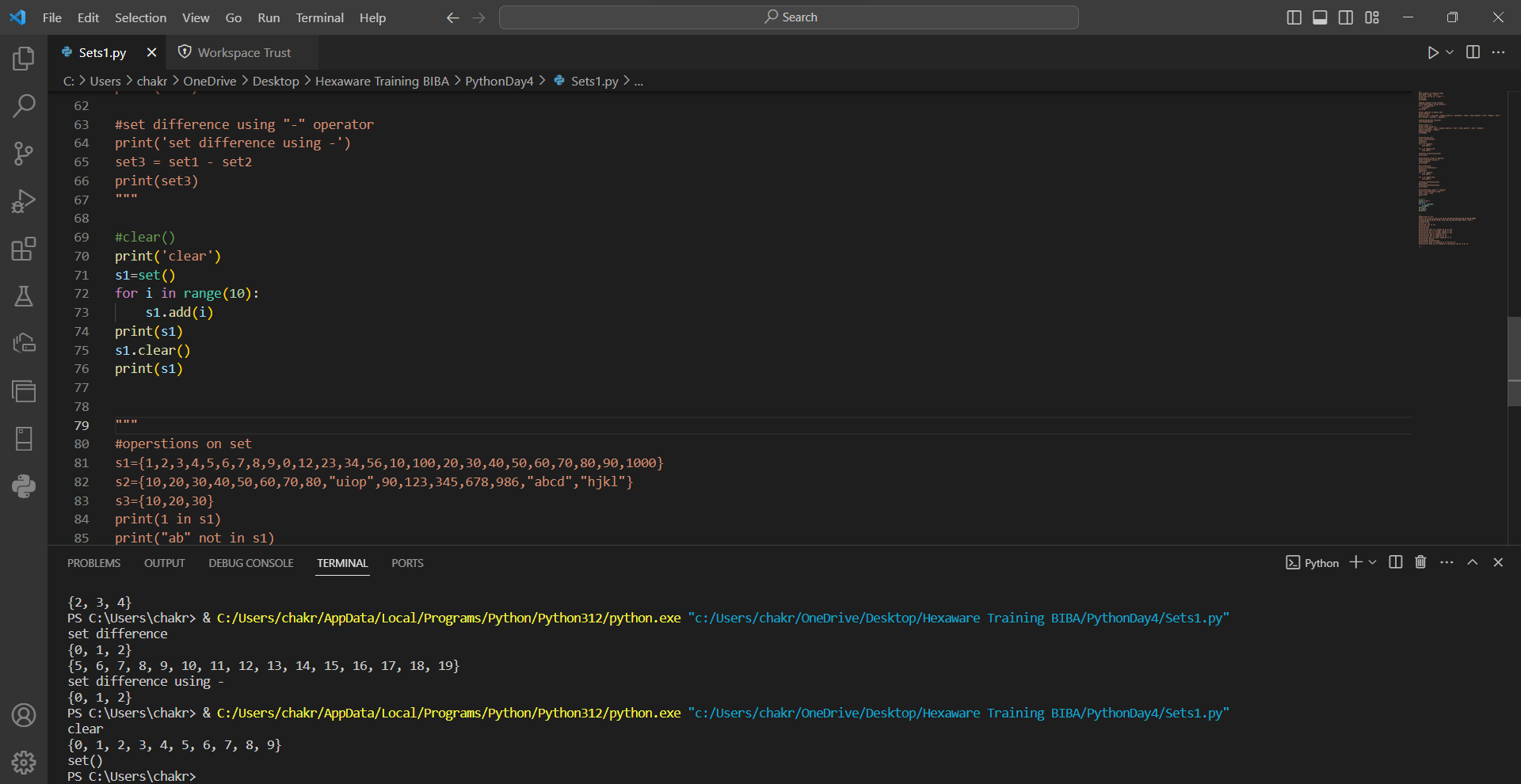
Intersection: common elements can be found using intersection() or “&”



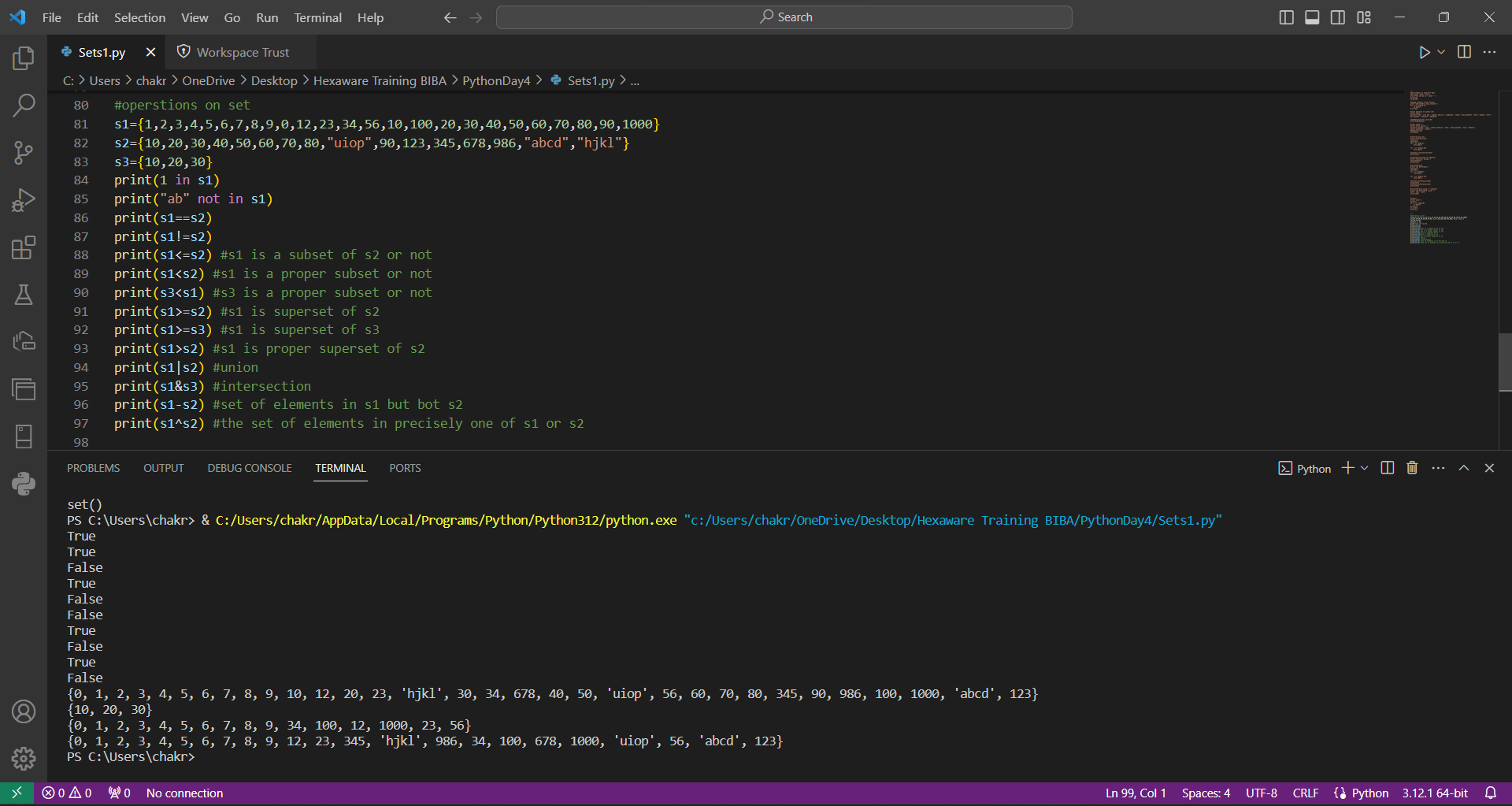
Set\_difference: The difference between the sets will be the output



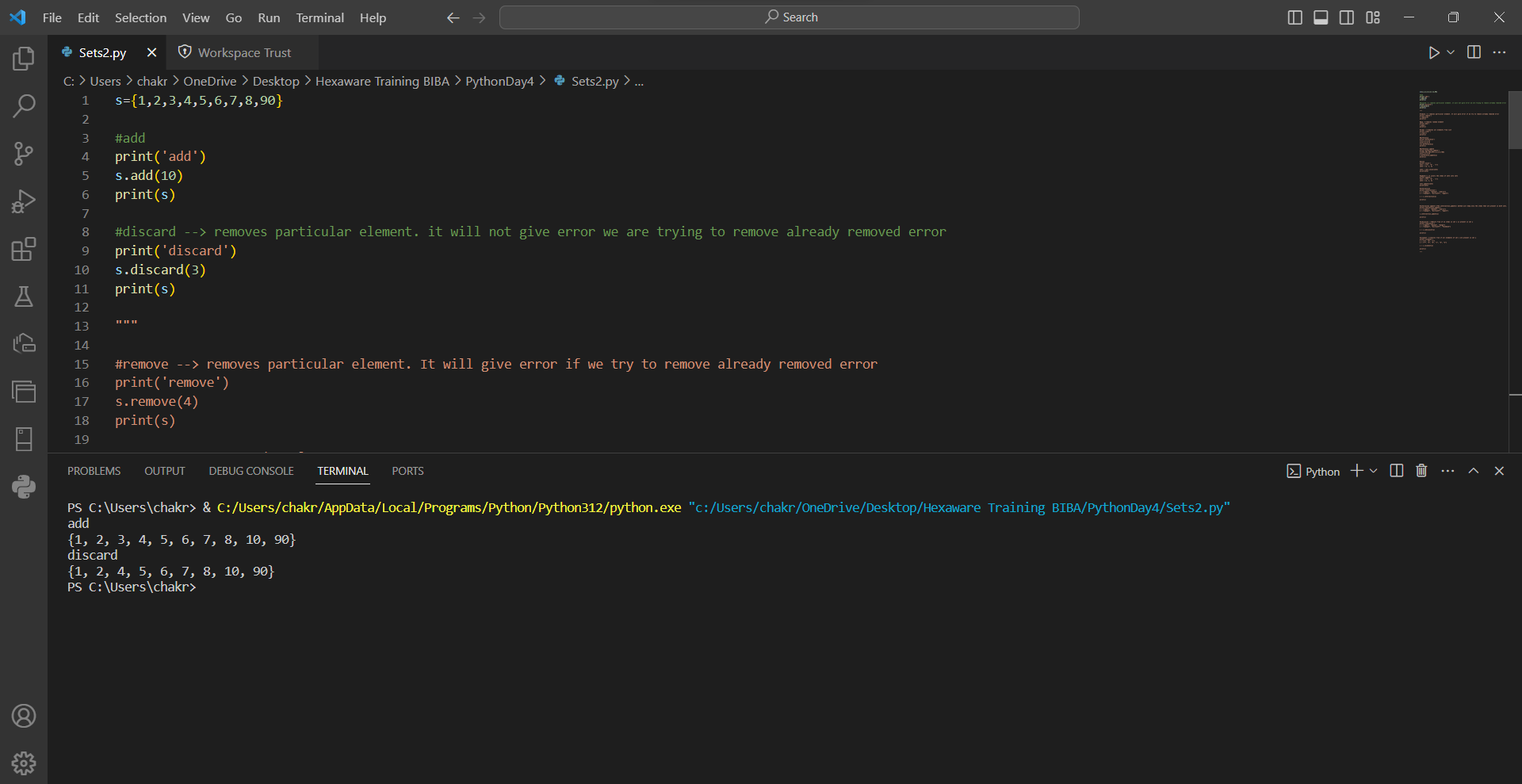
Clear : It empties the set



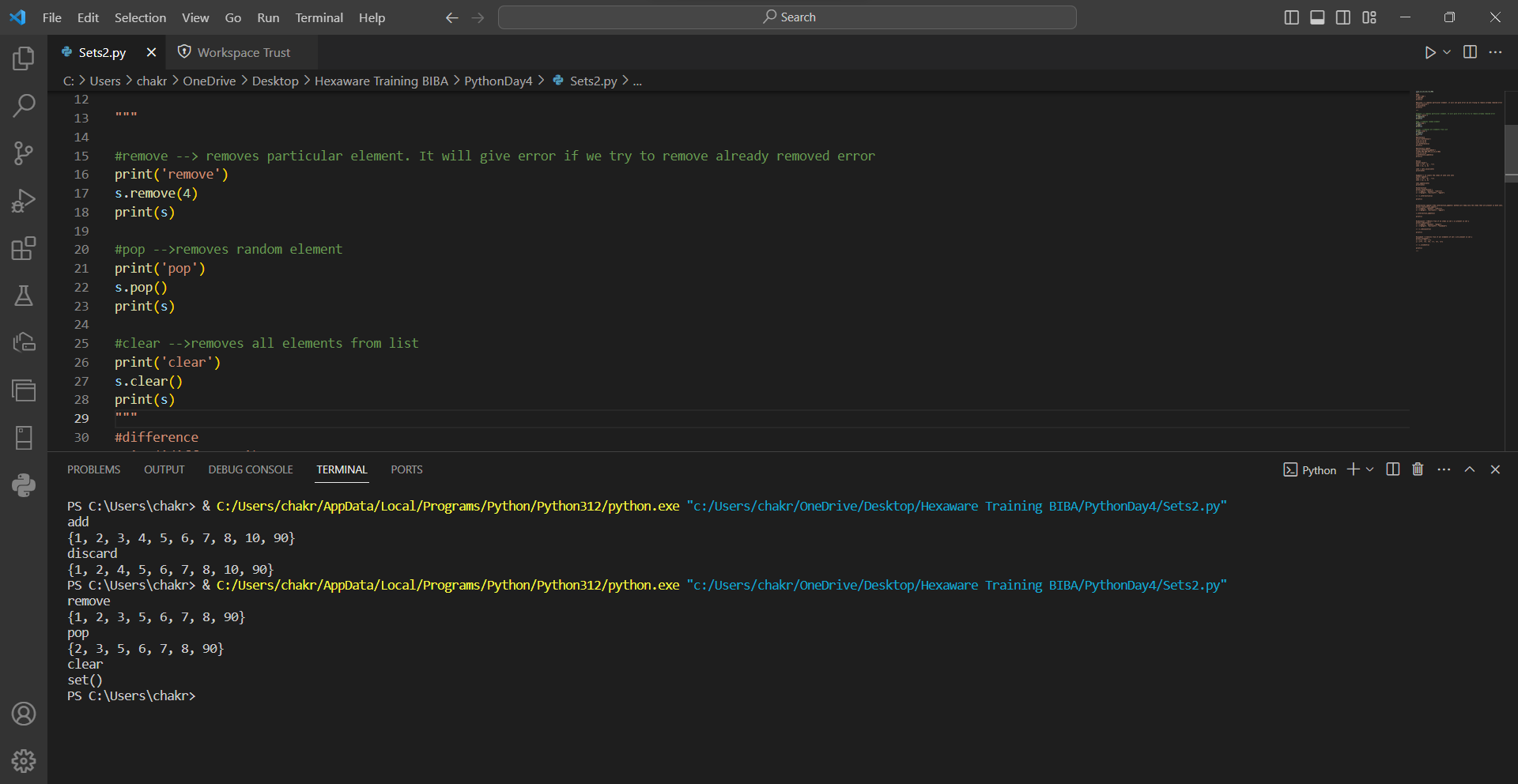
Operations on set



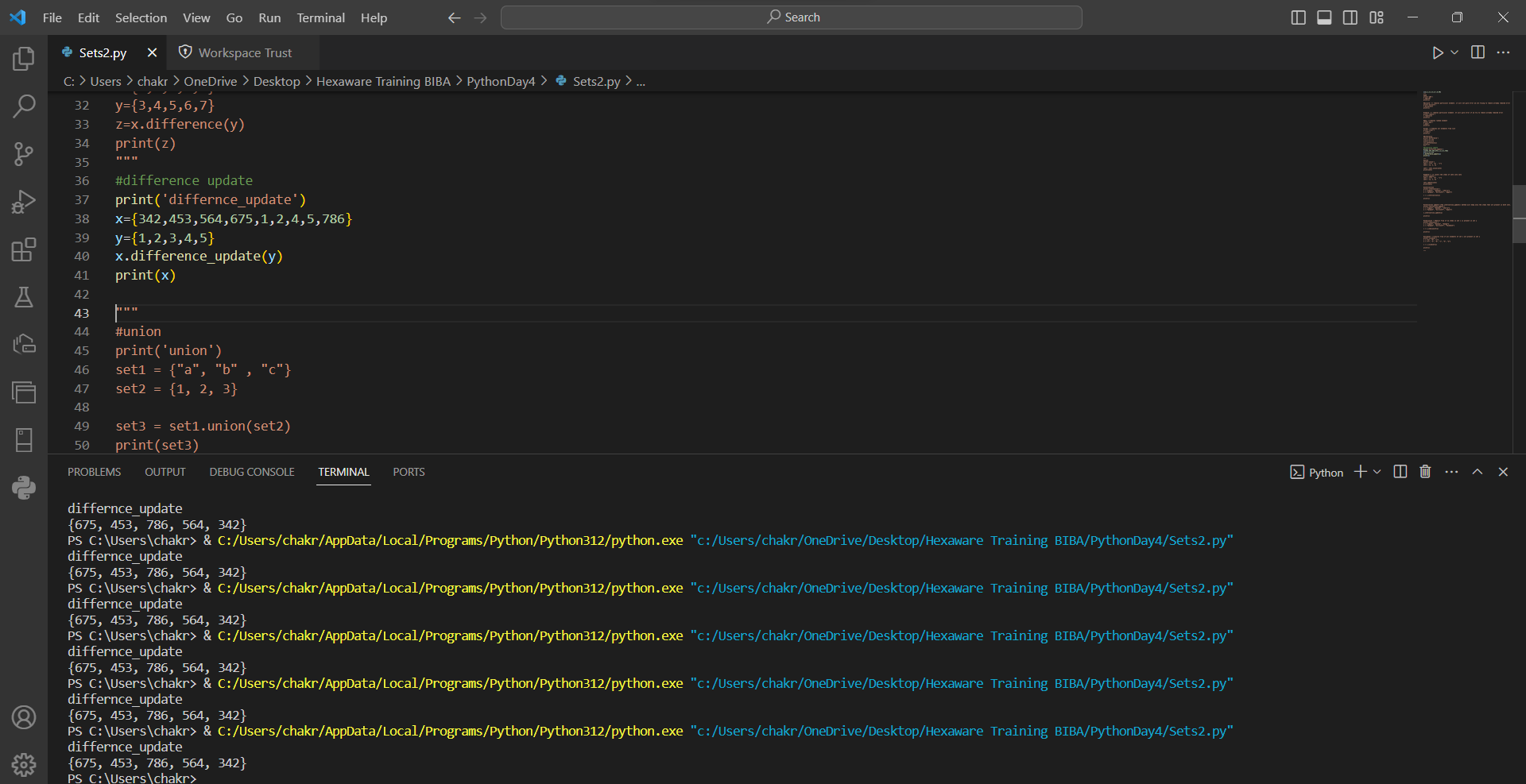
Discard : Discard will remove the element at a particular index



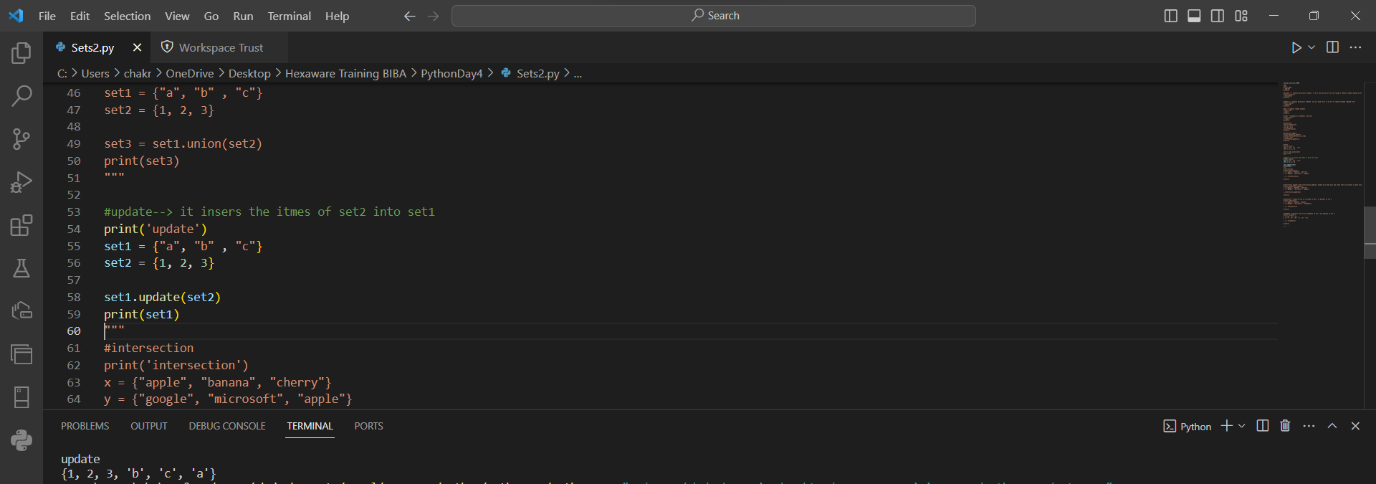
Remove, pop, clear : remove() will remove element from particular index. pop() will remove the anyone element that will be at last index. clear() deletes all the elements from the set

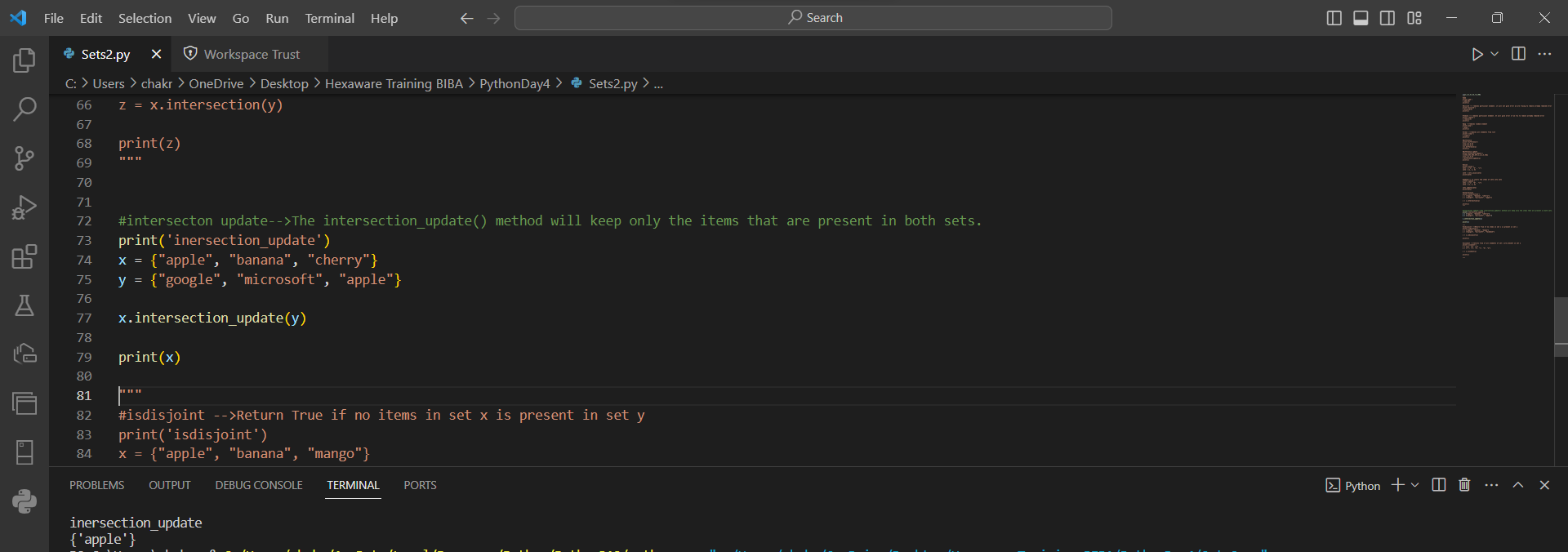


difference\_update(): It gives difference between the sets and updates the same set

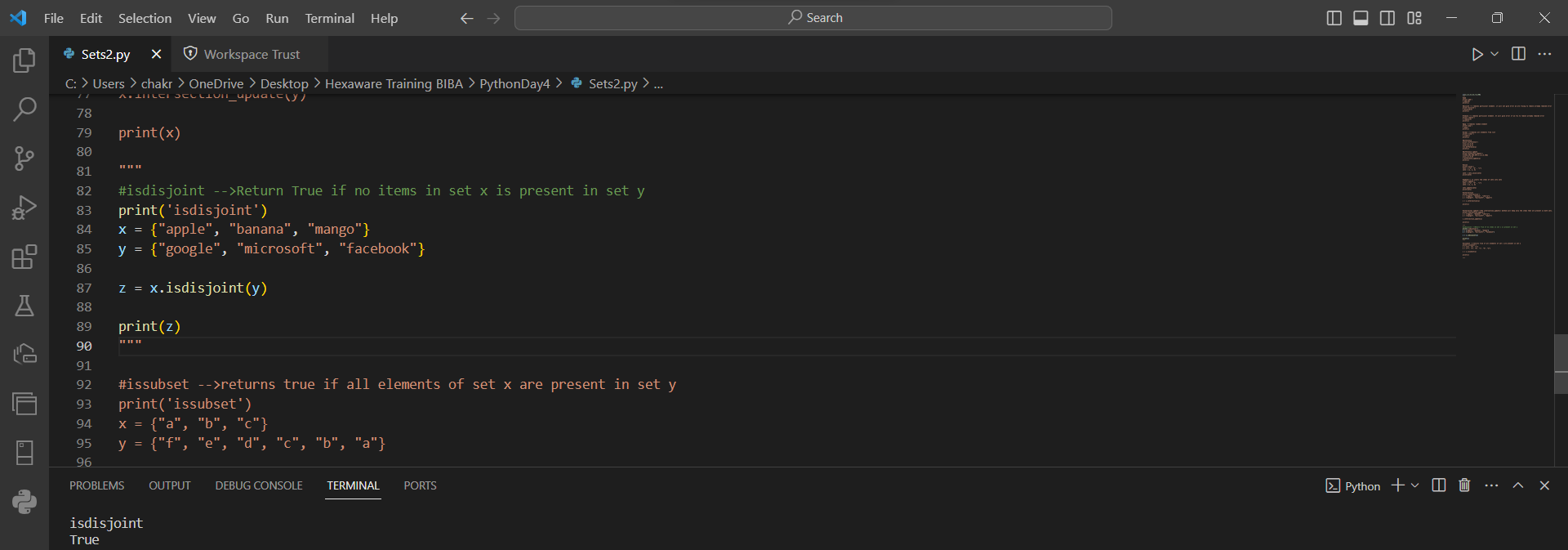


update() : It will add the new elements to the set

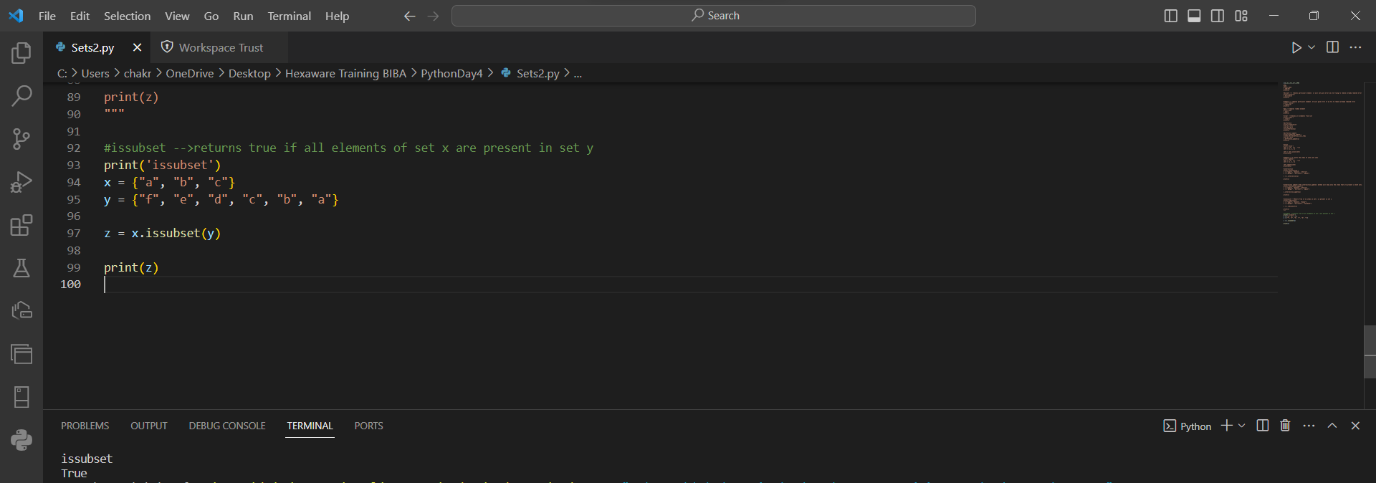


Intersection\_update : We get the common elements and updates the one of the set that we want

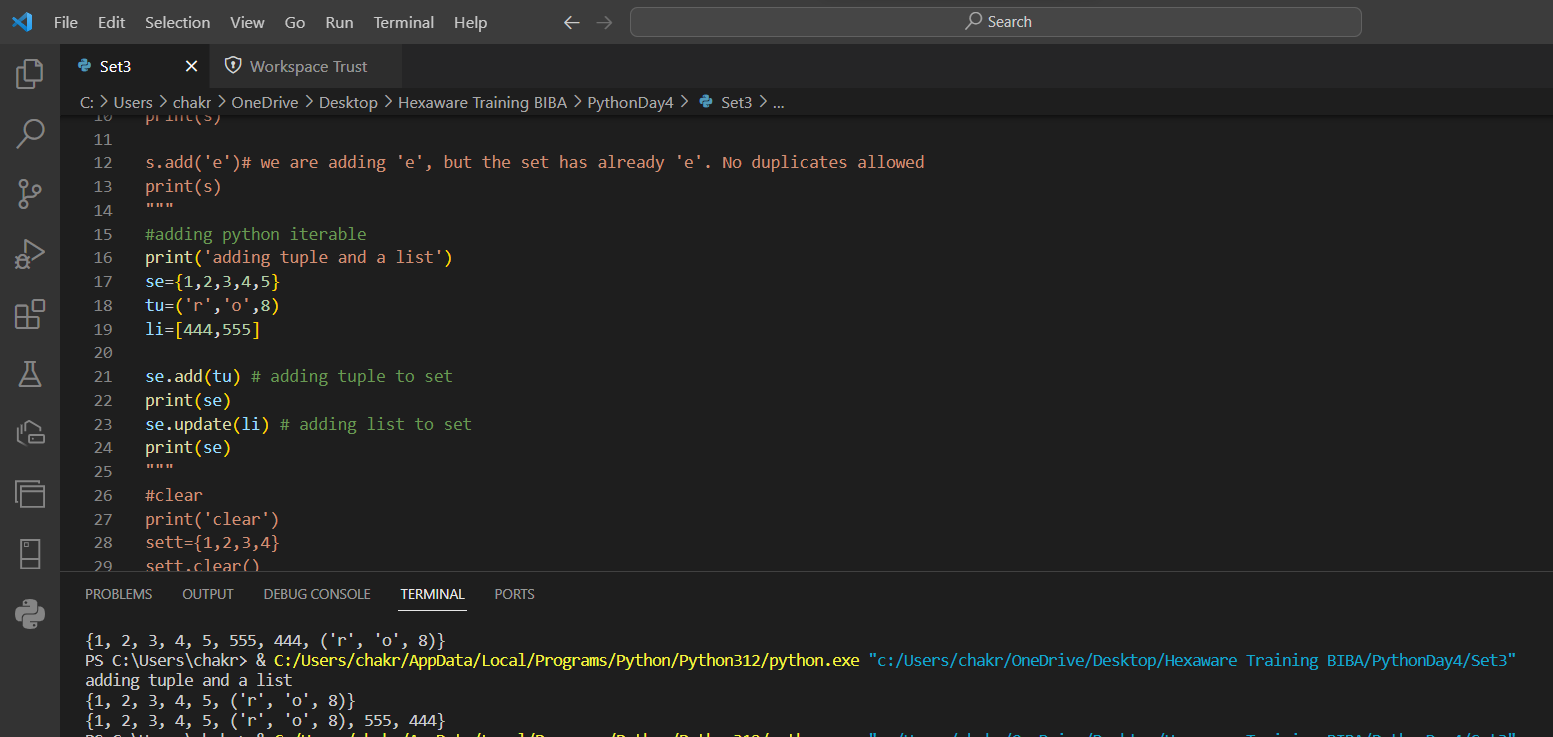
Isdisjoint() : Checks if the two sets have no common elements



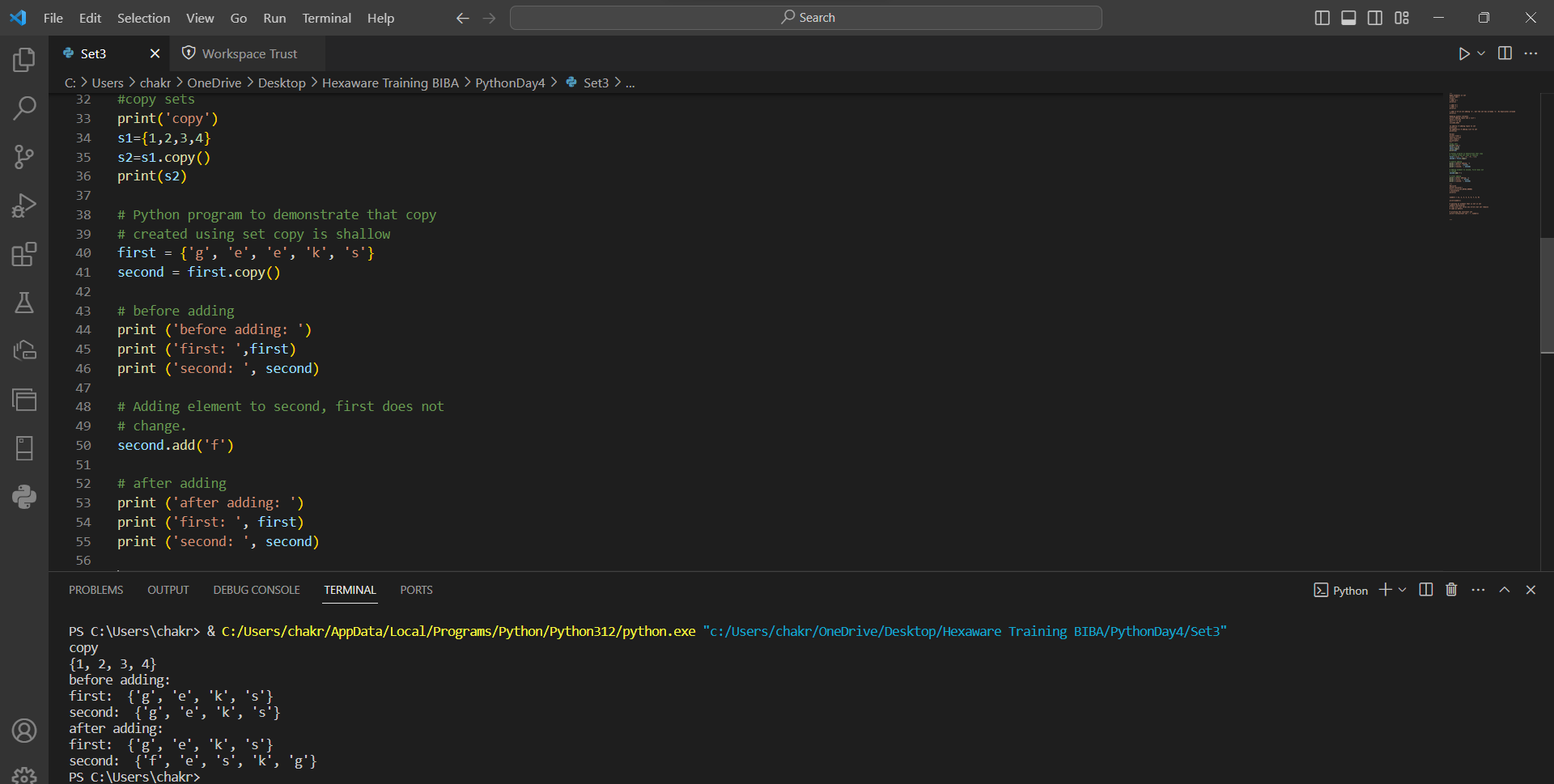
Issubset() : checks if one set is a subset of another set



Adding tuple and list to a set



Copy : One set will be copied to another set



Functions

Function is a block of code that can be reusable

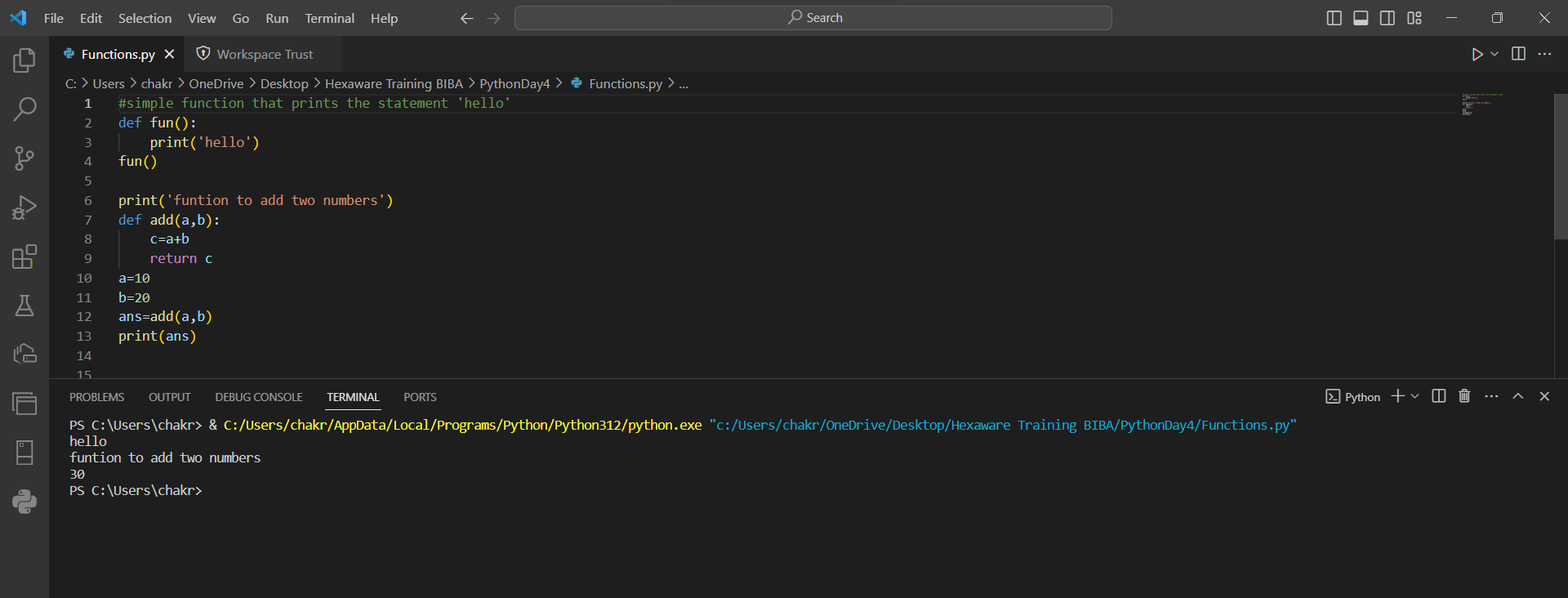
Syntax:

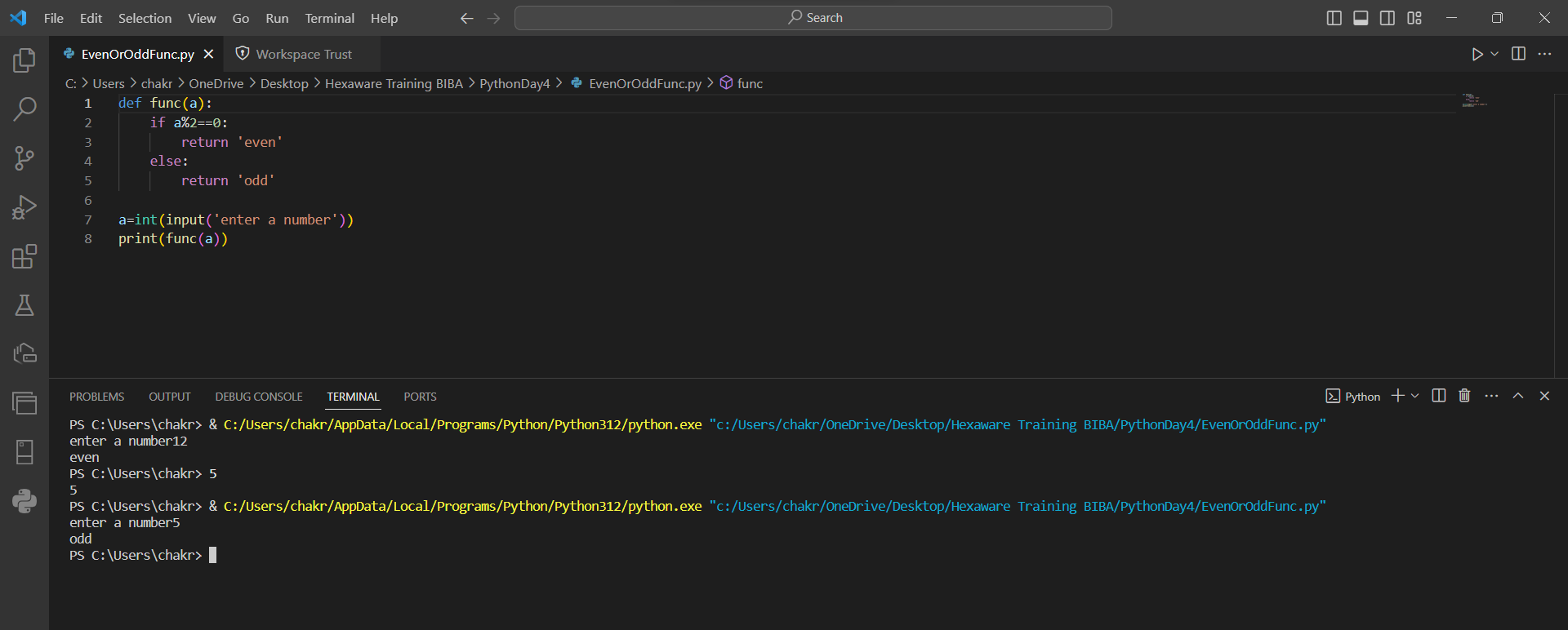
def function\_name(arguments):

//statement

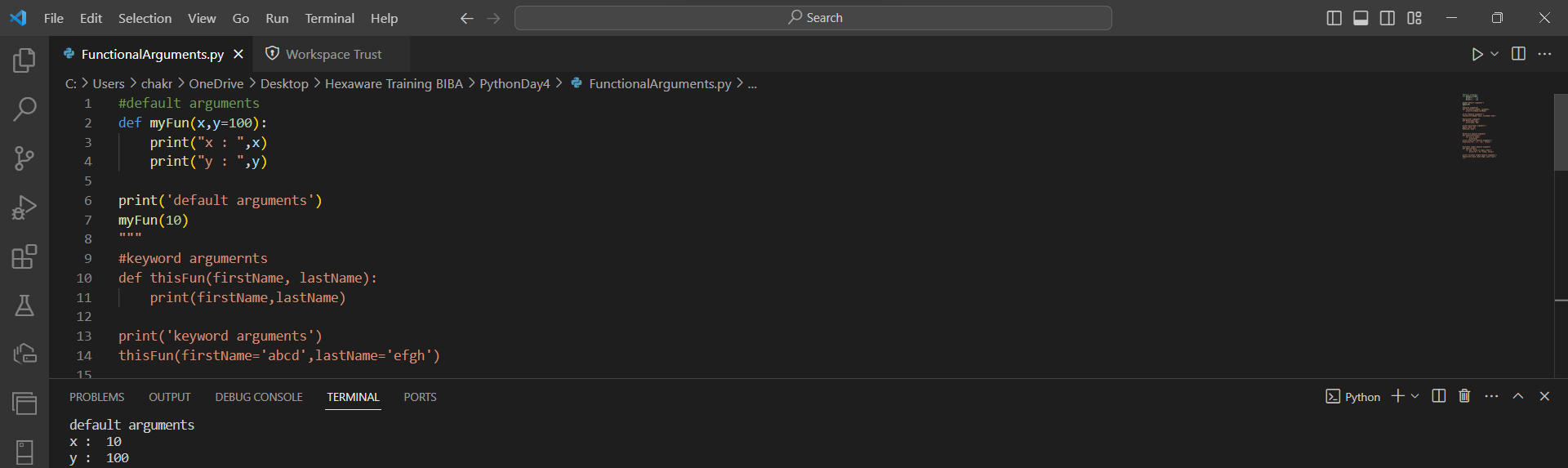
Function\_name(parameters) #function call

Addition of two numbers

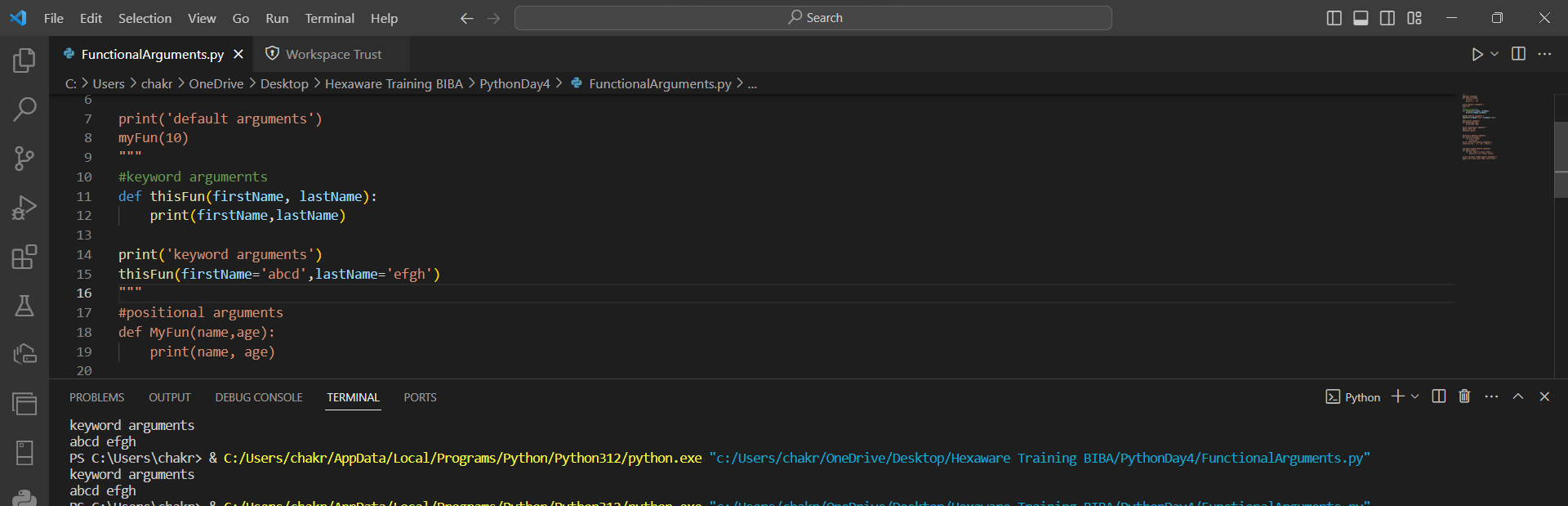


Even or Odd

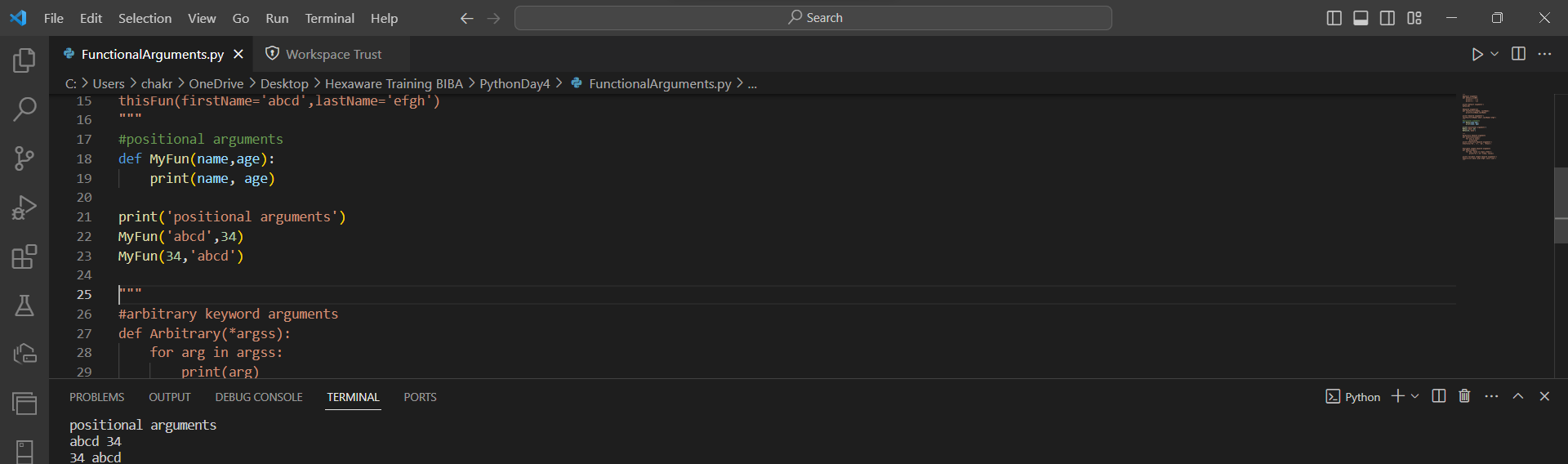
Default\_arguments



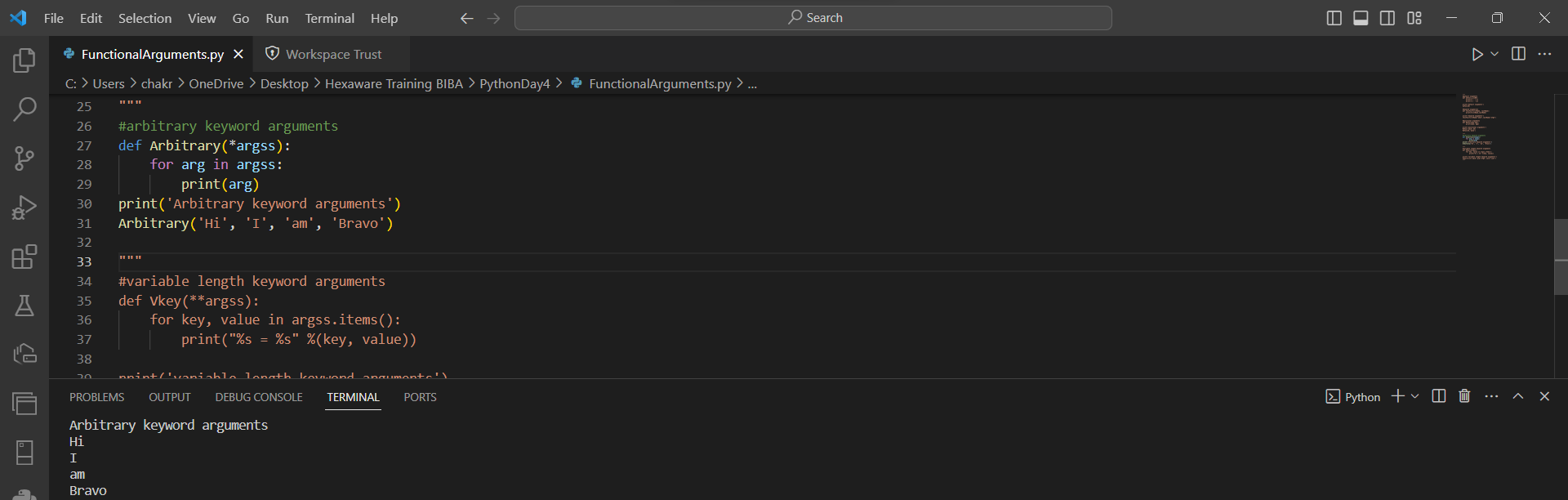
Keyword arguments



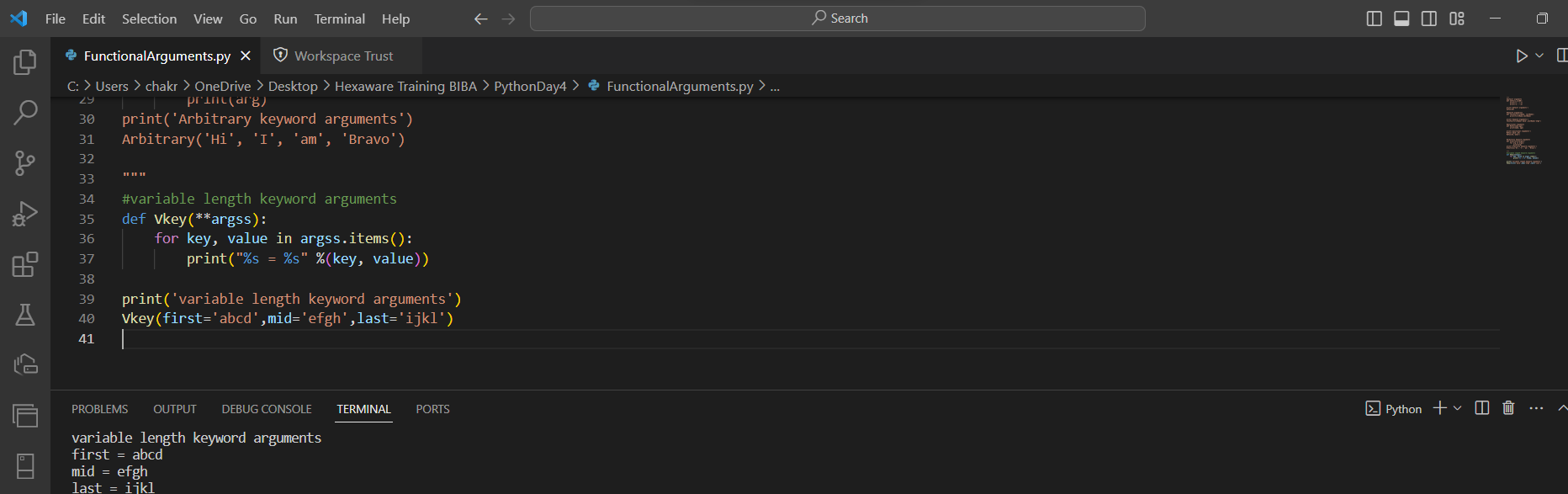
Positional arguments



Arbitrary arguments



Variable arbitrary constants



Prime number program

