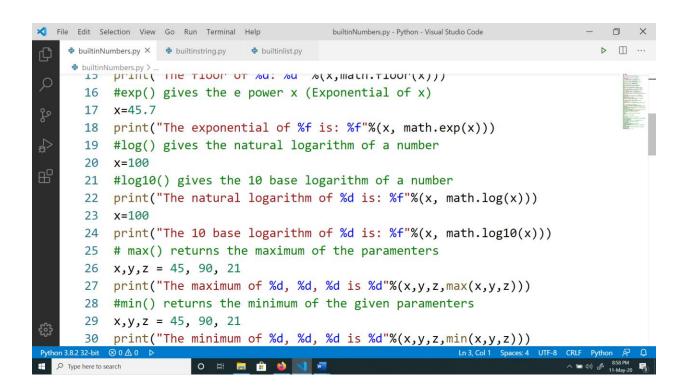
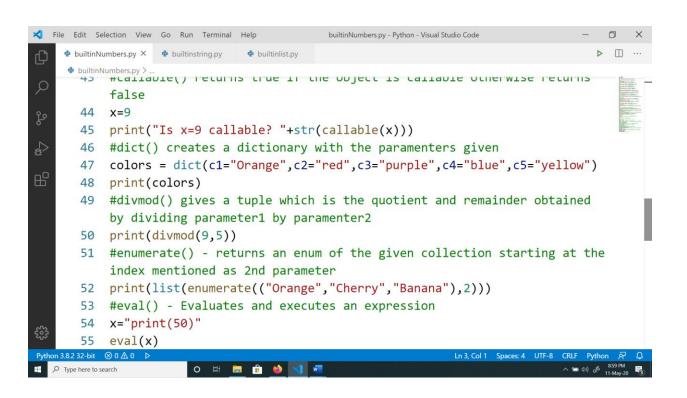
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                                             builtinNumbers.py - Python - Visual Studio Code
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     builtinlist.py

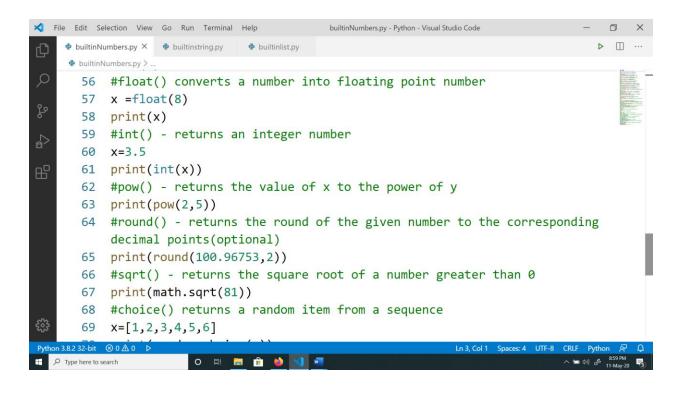
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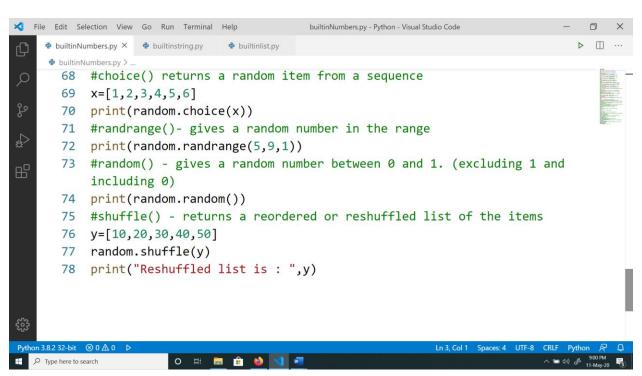
0
        1 import math
          import random
           #abs() returns the absolute value of a number
           print("The absolute value of %d: %d" %(x,abs(x)))
           print("The absolute value of %d: %d" %(x,abs(x)))
        7
        8 \quad x = complex(19,25)
        9 print("The absolute value of : %f" %(abs(x)))
       10 # ceil() rounds a number to the nearest higher integer
       11 x=8.3
       12 print("The ceil of %d: %d" %(x,math.ceil(x)))
       13 # floor() rounds a number to the nearest lowest integer
       print("The floor of %d: %d" %(x,math.floor(x)))
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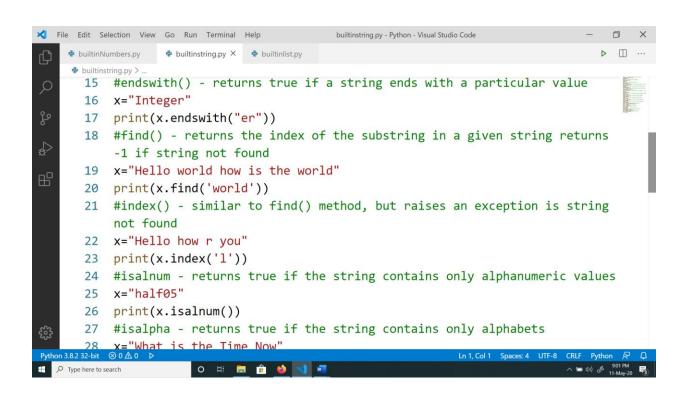
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                                               builtinNumbers.py - Python - Visual Studio Code
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     ♦ builtinNumbers.py × ♦ builtinstring.py
       31 #all() checks if all items in a list or set or tuple or dictionary are
Q
            true
       32 list1=[9,0,True]
       33 print("The items in the list are true: "+ str(all(list1)))
       34 #any() checks if any of the items in a list or set or tuple or
            dictionary is true
       35 dict1={0:"zero",1:"one", 2:"two"}
       36 print("Any items in the dictionary is true: "+ str(any(dict1)))
           #bin() returns the binary version of a number
       38 x=36
       39 print("The binary of %d is: "%(x) +bin(x))
       40 #bool() returns the boolean value of the specified object
       41 x="any string"
       42 print("The boolean of x is "+ str(bool(x)))
       43 #callable() returns true if the object is callable otherwise returns
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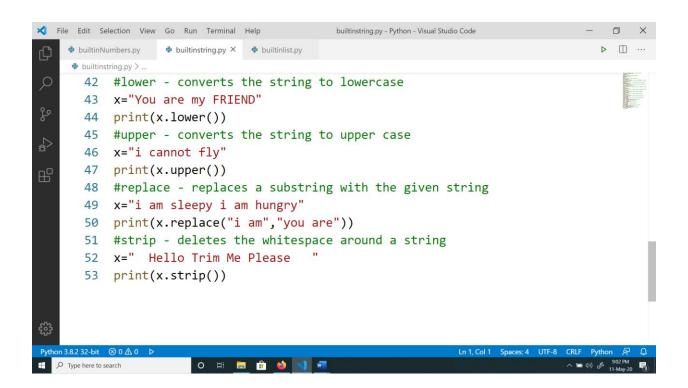




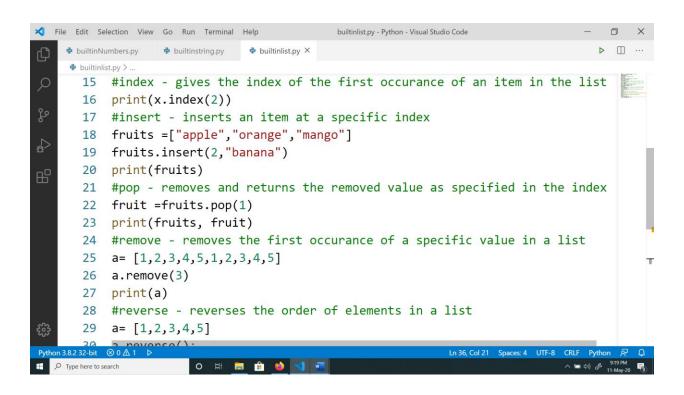
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                                               builtinstring.py - Python - Visual Studio Code
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♦ builtinstring.py
> builtinlist.py
        1 #capitalise() -capitalises the first letter of a string
0
        2 x="first letter is capitalised"
        3 y =x.capitalize()
        4 print(y)
        5 #casefold() - changes astring into lower case
        6 x="Hello, How are YOU?"
           y=x.casefold()
        7
        8 print(y)
        9 #center() - aligns the string on the screen
       10 x="hello world"
       11 print(x.center(20,'*'))
       12 #count() - returns the number of times a substring appears in a string
       13 x="I am going to the zoo"
       14 print(x.count('o'))
            #endswith() - returns true if a string ends with a particular value
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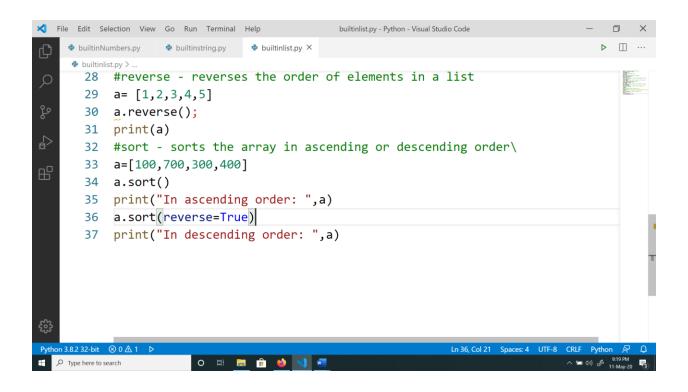


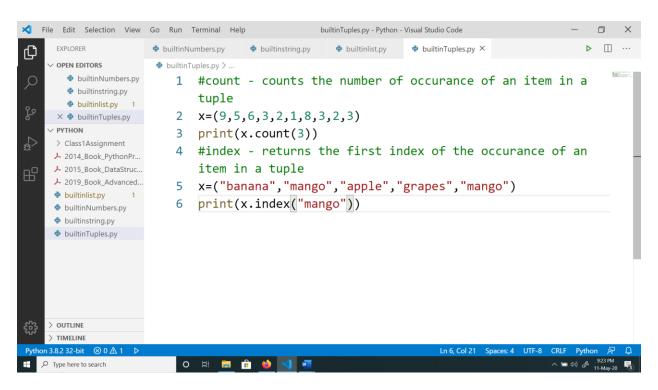
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     ♣ builtinNumbers.py
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★ builtinlist.py
                                                                                           builtinstring.py > ..
       27 #isalpha - returns true if the string contains only alphabets
Q
       28 x="What is the Time Now"
       29 print(x.isalpha())
       30 #isdigit - returns true if the string contains only digits
       31 x="98760"
       32 print(x.isdigit())
       33 #islower - returns true if all chars in a string are lower case
       34 x="This Will give false"
       35 print(x.islower())
       36 #isupper - returns true if all chars in a string are upper case
       37 x="THIS IS TRUE"
       38 print(x.isupper())
       39 #join() - joins the iterable by the separator given
       40 x=("Apple", "Orange", "Mango", "Banana")
       41 print('**'.join(x))
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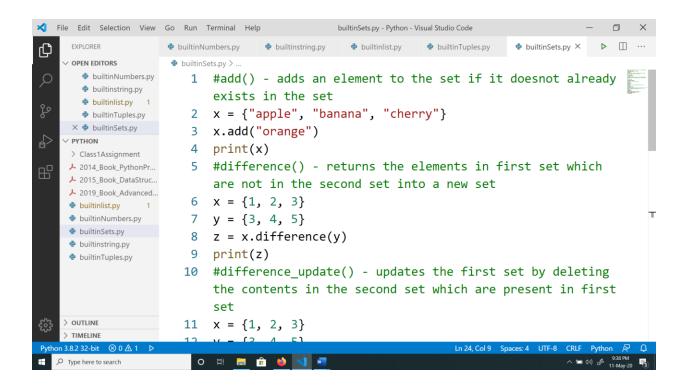


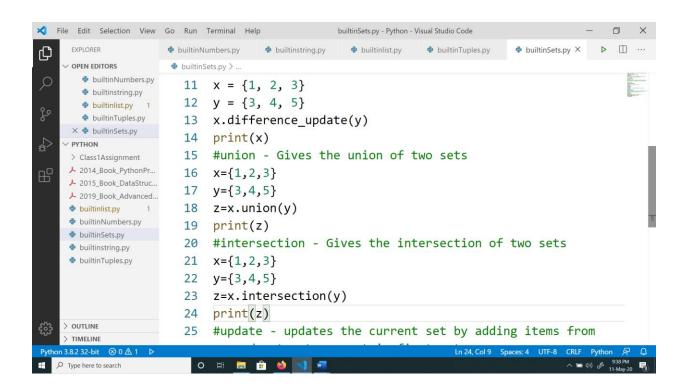
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     ♦ builtinNumbers.py
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♦ builtinlist.py
     builtinlist.py > ...
        1 #append() - adds an element to the end of the list
0
        colors = ["red","yellow","orange"]
        3 colors.append("blue")
        4 print(colors)
        5 #clear - clears the contents of a list
        6 colors.clear()
        7 print(colors)
        8 #copy - copies the contents of one list to another
        9 color =["red","blue","green"]
       10 new_list = color.copy()
       11 print(new_list)
       12 #count - counts the number of times a specific items appear on the list
       13 x = [1,1,6,2,8,1,2,9,1]
       14 print(x.count(1))
       15 #index - gives the index of the first occurance of an item in the list
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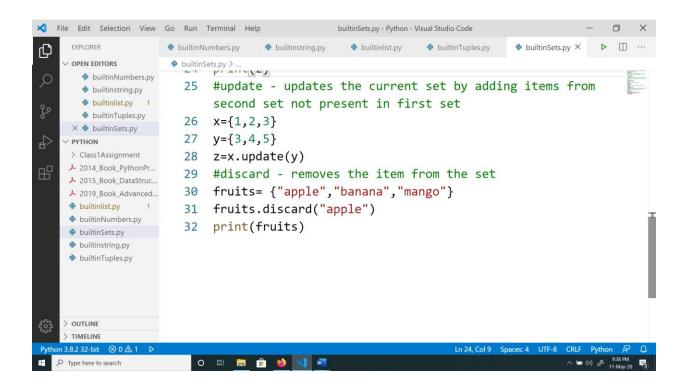


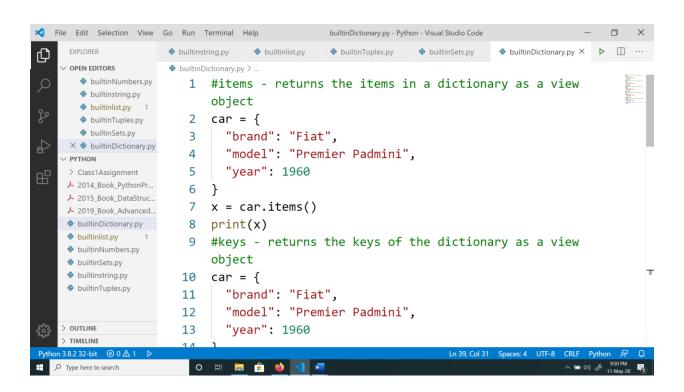












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builtinSets.py
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Dictionary.py \gt \dots
        builtinNumbers.py
                          14 }
        builtinstring.py
                          15 x = car.keys()
        builtinlist.py 1
        builtinTuples.py
                          16 print(x)
        builtinSets.py
                          17 #values() - Returns the values of a dictionary as a view
      X ♠ builtinDictionary.py
                               object
     ✓ PYTHON
      > Class1Assignment
                          18 car = {
      2014_Book_PythonPr...
                                  "brand": "Fiat",
                         19
      2015_Book_DataStruc...
                                 "model": "Premier Padmini",
                          20
      2019 Book Advanced...
      builtinDictionary.py
                                 "year": 1960
                          21
      builtinlist.py 1
                           22 }
      builtinNumbers.pv
                           x = car.values()
      builtinSets.py
      builtinstring.py
                           24 print(x)
      builtinTuples.py
                           25 #get() - Returns the value of the item specified by the
                                key
     > OUTLINE
                           26 car = {
    > TIMELINE
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