```
1) User Settings
                                                   percipio11_bytearray_type.py X
       EXPLORER
                                         # percpercipio11 bytearray type.py
     ▲ OPEN EDITORS
                                         # Percipio video: Data & Sequence Types; The Bytearray Type in Python
         {} User Settings C:\Users\pcurt...
                                         # This shows 5 different ways to construct a bytearray object
         percipio11_bytearray_type....
                                         # The bytearray class provides an mutable sequence (mutable = changable sequence of integers)
     ▲ PYTHON
83
                                         # Values must be integers from 0-255 to represent a byte
       ▶ Automate-Boring-Stuff
       my_code
▲ Percipio_Python3-Course
                                         empty array = bytearray() # 1st way to create a bytearray object, empty
                                         null array = bytearray(11) # 2nd way to create a bytearray object, filled with nulls, here
        ▶ 01 Start
there are 11 elements filled with a byte value of zero
        ■ 02_Data-Sequence Types
         percipio04_int_types.py
                                         ints array = bytearray((84, 114, 97, 100, 101, 109, 97, 114, 107, 32, 194, 174)) # 3rd way to
         percipio05_float_type.py
                                              create a bytearray object using a sequence of integers
                                         str_array = bytearray('Trademark ®', 'utf-8') # 4th way to create a bytearray object by using
         percipio06_math_functions...
                                              an existing string & the string encoding
         percipio07_boolean_type.py
                                         bytes_array = bytearray(b'Trademark \xc2\xae') # 5th way to create a bytearray object by
         percipio08_Strings.py
                                              creating a bytesarray object based on a bytes object
         percipio09_float_type.py
         percipio10_bytes_type.py
                                         n1 = ' n'
         percipio11_bytearray_type....
         percipio12_list_type.py
                                         print(nl, 'Next')
         percipio13_tuple_type.py
                                         print('bytes array =', bytes array)
         percipio14_slice_type.py
         percipio14a_list_copy_bool...
                                         print('bytes_array.decode() ->',
                                              bytes_array.decode())
        ▶ 03_Collections-Mapping-Loo...
                                         print(nl, 'Next')
        ▶ 04 Modules-Functions
        ▶ 05 Classes
                                         str literal = 'Trademark ®'
                                         # A bytearray sequence behaves similar to a string
        ▶ 06_Working-with-Files
        ■ 07_Comprehensions
                                         print('str literal.count("T") ->',
                                              str literal.count('T')) # counts number of T's in a string
         percipio45_list_comprehen...
                                         print('str literal.index("T") ->',
         percipio46_nested_compre...
                                              str literal.index('T')) # indexes position number of T's in a string
         percipio47_zip_function_lis...
                                         # This performes the same function as above except uses byte values instead of string values
         percipio48_set_comprehen...
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0	EXPLORER	1) User Settings Percipio11_bytearray_type.py ×	ш …
	▲ OPEN EDITORS	25 str_literal.index('T')) # indexes position number of T's in a string	
2	{} User Settings C:\Users\pcurt	26 # This performes the same function as above except uses byte values instead of string values	Signar
	percipio 11_bytearray_type	27 print('bytes_array.count(0x54) ->',	
Q Q	▲ PYTHON	bytes_array.count(0x54)) #	
Å	► Automate-Boring-Stuff	29 print('bytes_array.index(0x54) ->',	
_	▶ my_code	30 bytes_array.index(0x54)) #	
8	♣ Percipio_Python3-Course	31 print(nl, 'Next')	
	▶ 01_Start	32 # Bytearray objects have methods to mutate them	
	■ 02_Data-Sequence Types	33 bytes_array.append(32) # appends a single byte	
	percipio04_int_types.py	<pre>34 print('bytes_array after .append(32) =', bytes_array)</pre>	
	percipio05_float_type.py	35 bytes_array.extend((194,174)) # extends to a bytearray object with multiple bytes	
	🌞 percipio06_math_functions	36 print('bytes_array after .extend((194,174)) =', bytes_array)	
	🅏 percipio07_boolean_type.py	37 print('bytes_array.decode() ->',	
	percipio08_Strings.py	38 bytes_array.decode()) #	
	percipio09_float_type.py	39 bytes_array.remove(0x54) # take a byte out of the bytearray	
	percipio10_bytes_type.py	40 print('bytes_array after .remove(0x54) =', bytes_array)	
	percipio11_bytearray_type	41 bytes_array.insert(0, 0x54) # insert at a specific position	
	percipio12_list_type.py	42 print('bytes_array after .insert(0, 0x54) =', bytes_array)	
	🌳 percipio13_tuple_type.py	43 bytes_array.pop() # this removes from the end of the string	
	percipio14_slice_type.py	44 bytes_array.pop()	
	🅏 percipio 14a_list_copy_bool	45 print('bytes_array.decode() ->',	
	03_Collections-Mapping-Loo	46 bytes_array.decode())	
	04_Modules-Functions		