Extended work

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```
A = array('i', [1, 2, 3, 4, 5])
```

1. Write a python program to add on one number into the following array

2. Write a python program to reverse the sequence of the items in the arrays

```
array2.py - C:/Users/vishn/AppData/Local/Programs/Python/Python310/array2.py (3.10.11)
File Edit Format Run Options Window Help
from array import *
a=array('i',[1,2,3,4,5])
a.reverse()
for i in a:
   print(i)
X
File Edit Shell Debug Options Window Help
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 A
    bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
    === RESTART: C:/Users/vishn/AppData/Local/Programs/Python/Python310/array2.p
    5
    4
   3
   2
    1
```

3. Write a python program to access the last three items in the arrays

```
違 array3.py - C:\Users\vishn\AppData\Local\Programs\Python\Python310\array3.py (3.10.11)
                                                                            File Edit Format Run Options Window Help
from array import *
a=array('i',[1,2,3,4,5])
for x in range(0,len(a)):
   print(a[x])
    if x==2:
        break;
×
File Edit Shell Debug Options Window Help
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64
   bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
    === RESTART: C:\Users\vishn\AppData\Local\Programs\Python\Python310\array3.p
   y ==
    1
   2
    3
>>>
```

4. Write a python program to remove the specified item from the initial arrays(remove 2)

```
array4.py - C:/Users/vishn/AppData/Local/Programs/Python/Python310/array4.py (3.10.11)
File Edit Format Run Options Window Help
from array import *
a=array('i',[1,2,3,4,5,6])
a.remove(2)
for x in a:
    print(x)
P IDLE Shell 3.10.11
                                                                               ×
File Edit Shell Debug Options Window Help
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64
    bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    === RESTART: C:/Users/vishn/AppData/Local/Programs/Python/Python310/array4.p
    5
    6
```

5. Write a python program to obtain the length in bytes of one arrays

```
array5.py - C:/Users/vishn/AppData/Local/Programs/Python/Python310/array5.py (3.10.11)
                                                                               File Edit Format Run Options Window Help
from array import *
a=array('i',[1,2,3,4,5,6])
print("The initial array: %s"%(a))
print("The length in bytes of one array item: %s"%(a.itemsize))
Page 101 IDLE Shell 3.10.11
                                                                              ×
File Edit Shell Debug Options Window Help
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 6
    4 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    === RESTART: C:/Users/vishn/AppData/Local/Programs/Python/Python310/array5.
    ру ==
    The initial array: array('i', [1, 2, 3, 4, 5, 6])
    The length in bytes of one array item: 4
>>>
```

6. Write a python program to check the quantity of occurrences of a specified values in the array

```
a = array('b', [0, 1, 2, 3, 4, 5, 7, 8, 5, 9, 10, 5])
```

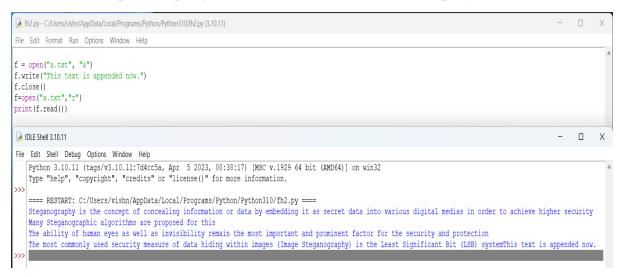
7. Write a python program to remove the first occurrence of number 1 in the array

```
a = array('b', [0, 1, 2, 3, 4, 5, 2, 1, 5])
```

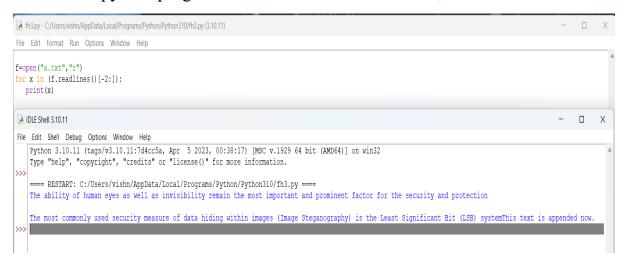
```
array7.py - C:/Users/vishn/AppData/Local/Programs/Python/Python310/array7.py (3.10.11)
File Edit Format Run Options Window Help
from array import *
a=array('b',[0,1,2,3,4,5,2,1,5])
print("array before removing first occurence of 1: %s"%(a))
a.remove(1)
print("array after removing first occurence of 1: %s"%(a))
P IDLE Shell 3.10.11
                                                                                     ×
File Edit Shell Debug Options Window Help
                                                 5 2023, 00:38:17) [MSC v.1929 64 bit (AM A
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr
    D64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
    === RESTART: C:/Users/vishn/AppData/Local/Programs/Python/Python310/array7.py ==
    array before removing first occurence of 1: array('b', [0, 1, 2, 3, 4, 5, 2, 1, 5])
    array after removing first occurence of 1: None
    === RESTART: C:/Users/vishn/AppData/Local/Programs/Python/Python310/array7.py ==
    array before removing first occurence of 1: array('b', [0, 1, 2, 3, 4, 5, 2, 1, 5])
    array after removing first occurence of 1: array('b', [0, 2, 3, 4, 5, 2, 1, 5])
>>>
```

8. Write a python program to read the first two lines of a file: a.txt as provided in the following output.

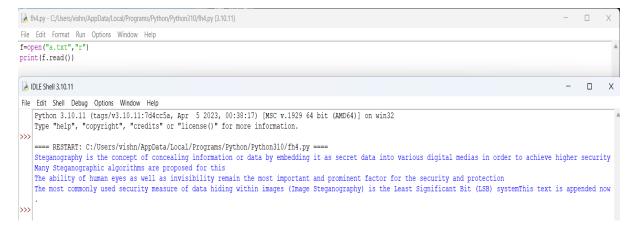
9. Write a python program to add text to a file and display the text



10. Write a python program to read the last n lines of file, a.txt.



11. Write a python program to read the whole file, a.txt.



12. Write a python program to read a file, a.txt line by line and store it into an array..



13. Write a python program to test whether a specified file is exist.

