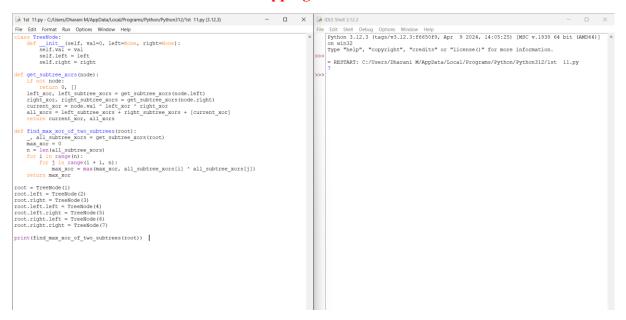
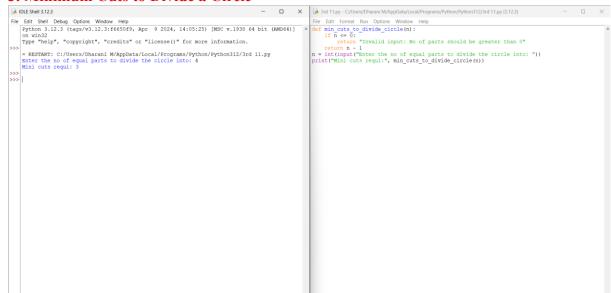
1.Maximum XOR of Two Non-Overlapping Subtrees



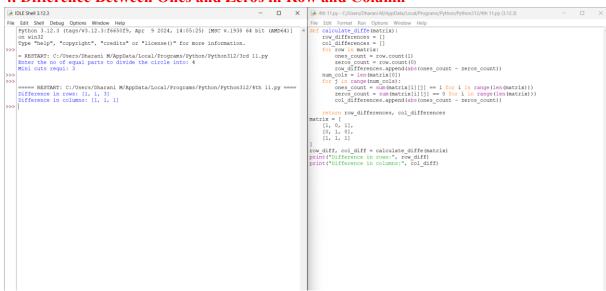
2. Form a Chemical Bond

```
ide Edit Format Run Options Window Help
from tabulate import tabulate
chemical_elements = {
    "H": {"name": "Hydrogen"},
    "He": {"name": "Lithium"},
    "Be": {"name": "Beryllium"},
    "Be": {"name": "Boron"},
}
def create_element_table(elements):
    table = [["symbol", "Name"]]
    for symbol, info in elements.items():
        table.append([symbol, info["name"]])
    return table
print(tabulate(create_element_table(chemical_elements), headers="firstrow", tablefmt="grid"))
```

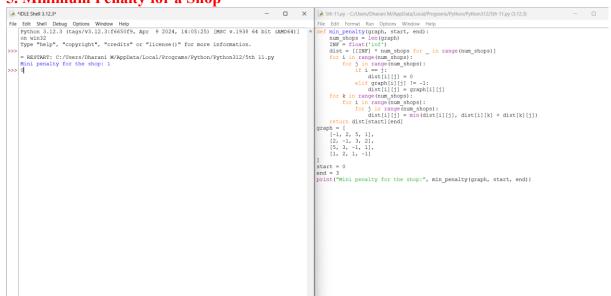
3. Minimum Cuts to Divide a Circle



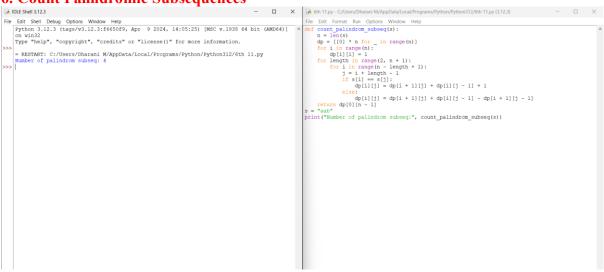
4. Difference Between Ones and Zeros in Row and Column



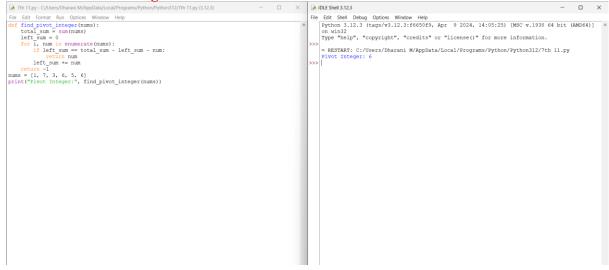
5. Minimum Penalty for a Shop



6. Count Palindromic Subsequences



7. Find the Pivot Integer



8. Append Characters to String to Make Subsequene

9. Remove Nodes From Linked List

3.12.3) 9th 11.py - C:/Users/Dharani M/AppData/Local/Programs/Python/Python312/9th 11.py

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```
class ListNode:
   def init (self, value=0, next=None):
        self.value = value
        self.next = next
def removeNodes(head, val):
   dummy = ListNode(0)
   dummy.next = head
   current = dummy
   while current.next:
       if current.next.value == val:
            current.next = current.next.next
            current = current.next
   return dummy.next
def printList(head):
   while head:
        print(head.value, end=" -> ")
        head = head.next
   print("None")
def createLinkedList(values):
   if not values:
        return None
   head = ListNode(values[0])
   current = head
   for value in values[1:]:
        current.next = ListNode(value)
        current = current.next
   return head
values = [1, 2, 6, 3, 4, 5, 6]
head = createLinkedList(values)
print("Original list:")
printList(head)
head = removeNodes(head, 6)
print("List after removing 6:")
printList(head)
```

10. Count Subarrays With Median Kds

```
Fig. 6df Shell Debug Options Window Help

Python 3.12.3 (tags/v3.12.3:f6650f9, Apr 9 2024, 14:05:25) [MSC v.1938 64 bit (AMD64)] a on vin32

Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                       = RESTART: C:/Users/Dharani M/AppData/Local/Programs/Python/Python312/10th 11.py
```