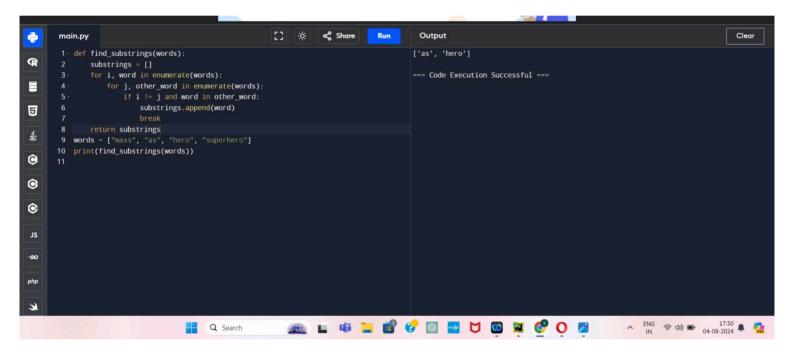
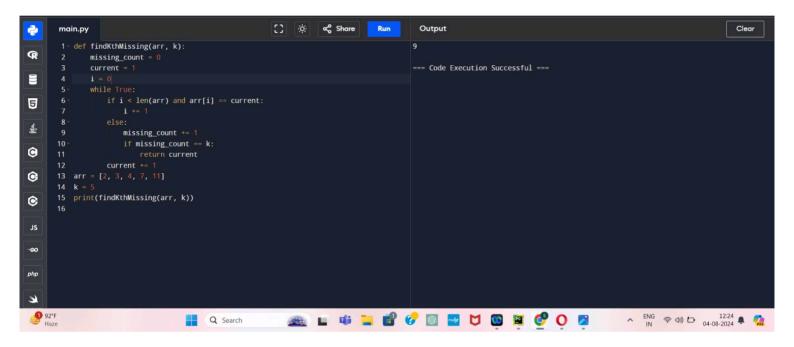


```
def peak(n):
    left,right=0,len(n)-1
    mid=(left+right)//2
    while left<right:
        if n[mid]>n[mid+1]:
        left=mid
        else:
            right=mid+1
    return left
n=[1,2,3,1]
peaks=peak(n)
print(peaks)
```





```
Clear
nain.py
                                                                                                  Output
  def optimized_bubble_sort(arr):
                                                                                                Input: [64, 25, 12, 22, 11], Expected Output: [29, 10, 14, 37, 13], Result: [11, 12,
                                                                                                    22, 25, 64]
       for i in range(n):
                                                                                                === Code Execution Successful ===
           swapped = False
           for j in range(0, n - i - 1):
    if arr[j] > arr[j + 1]:
        arr[j], arr[j + 1] = arr[j + 1], arr[j]
        swapped = True
           if not swapped:
  # Running and printing results
for input_list, expected_output in test_cases:
       result = optimized_bubble_sort(input_list.copy()) # Using copy to avoid
       print(f"Input: {input_list}, Expected Output: {expected_output}, Result:
          {result}")
```

