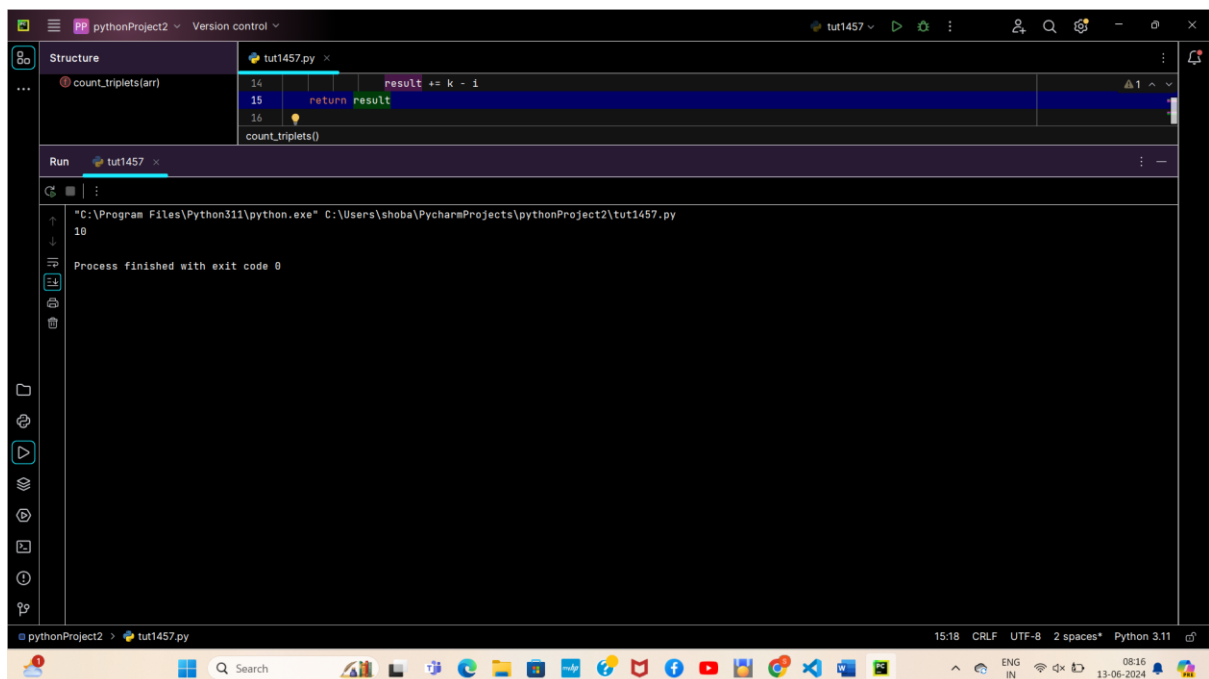


60. Count Triplets that can form two arrays of equal xor . Given an array of Integer arr

Program:

```
def count_triplets(arr):  
    n = len(arr)  
    xor_prefix = [0] * (n + 1)  
    count = {}  
    result = 0  
  
    for i in range(1, n + 1):  
        xor_prefix[i] = xor_prefix[i - 1] ^ arr[i - 1]  
  
    for i in range(n):  
        for k in range(i + 1, n):  
            xor_i_k = xor_prefix[i] ^ xor_prefix[k + 1]  
            if xor_i_k == 0:  
                result += k - i  
    return result  
  
print(count_triplets([1, 1, 1, 1, 1]))
```

Output:



The screenshot shows a PyCharm IDE window for a project named 'pythonProject2'. The file 'tut1457.py' is open, showing the following code:

```
14         result += k - i  
15     return result  
16  
count_triplets()
```

The Run console shows the command executed: "C:\Program Files\Python311\python.exe C:\Users\shoba\PycharmProjects\pythonProject2\tut1457.py". The output is 10. The console also shows "Process finished with exit code 0".