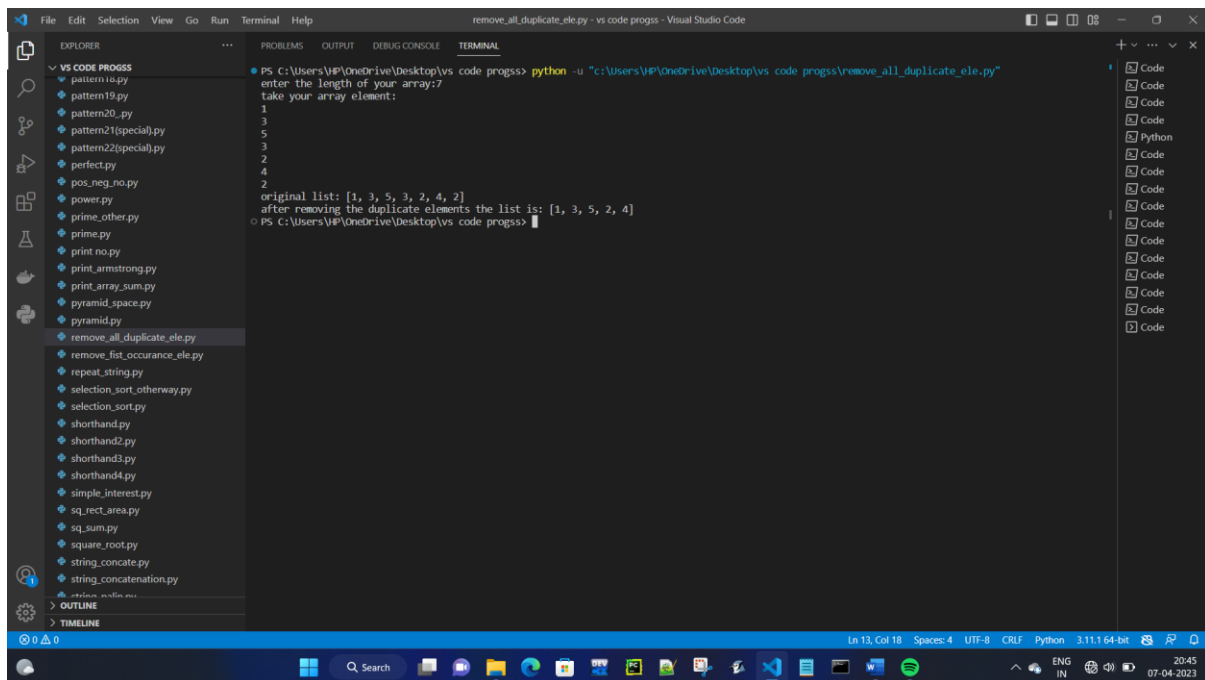


Q.19>> Write a python programme to remove all the duplicate elements in a list.

```
#remove all duplicate elements from a list
def remove(list):
    final_list=[]
    for i in list:
        if i not in final_list:
            final_list.append(i)
    return final_list

#main function
list= [] #user input
n=int(input("enter the length of your array:"))
print("take your array element:")
for i in range(0,n):
    l=int(input())
    list.append(l)
print("original list:",list)
print("after removing the duplicate elements the list is:",remove(list))
```



The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a folder named 'vs code progs'. The file 'remove_all_duplicate_ele.py' is selected. The terminal window on the right shows the execution of the program. The user enters '7' for the length of the array and then the elements '1', '3', '5', '3', '2', '4', '2'. The program outputs the original list as '[1, 3, 5, 3, 2, 4, 2]' and the list after removing duplicates as '[1, 3, 5, 2, 4]'. The status bar at the bottom indicates the file is at line 13, column 18, using UTF-8 encoding, with 4 spaces and CRLF line endings. The Python version is 3.11.1 64-bit.