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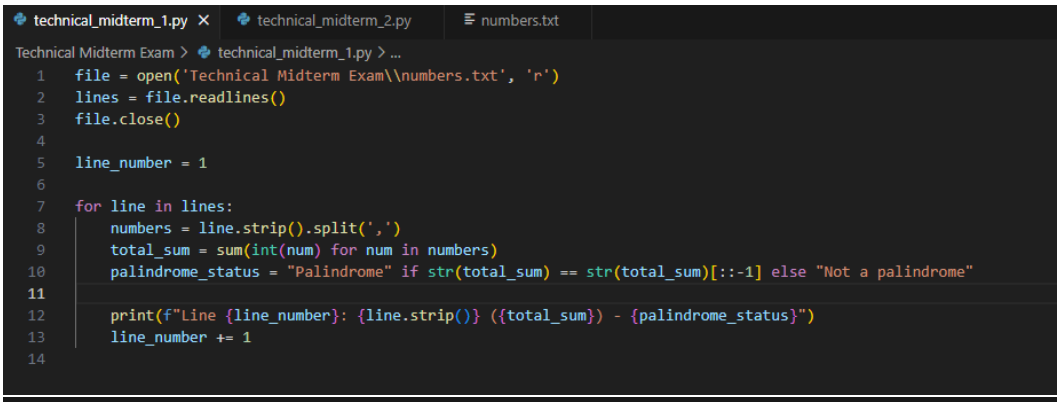
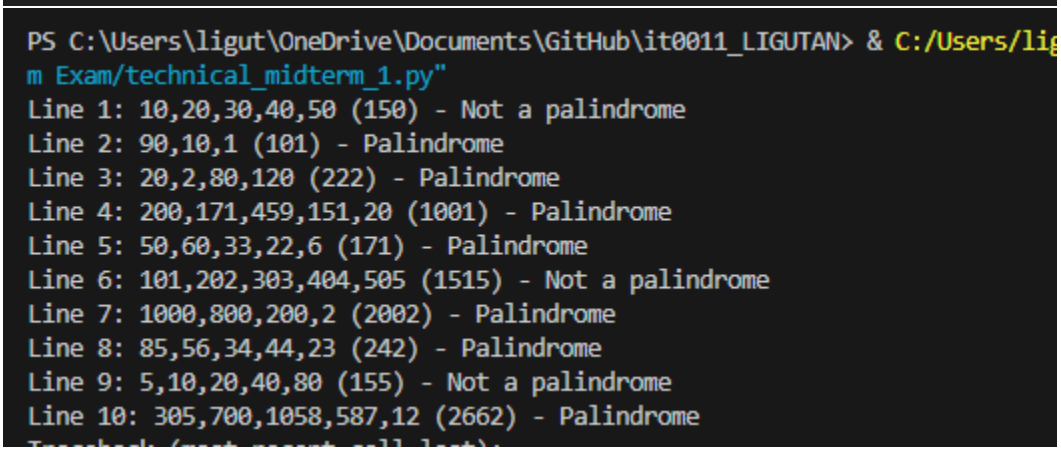
TW23

Technical Midterm Exam

Program 1:

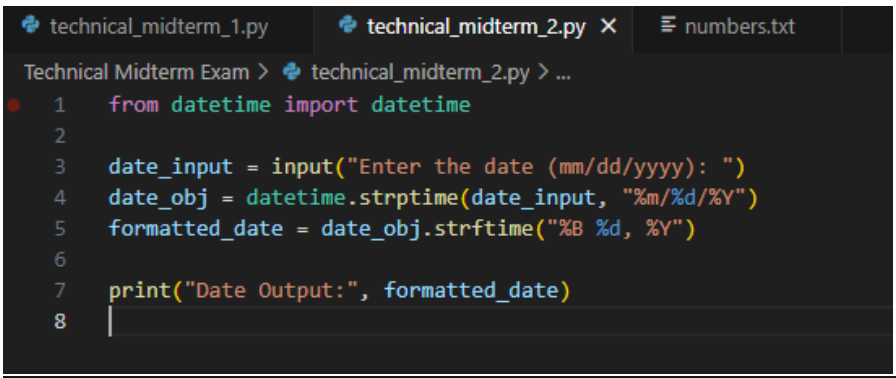


```
file = open('Technical Midterm Exam\\numbers.txt', 'r')
lines = file.readlines()
file.close()

line_number = 1

for line in lines:
    numbers = line.strip().split(',')
    total_sum = sum(int(num) for num in numbers)
    palindrome_status = "Palindrome" if str(total_sum) == str(total_sum)[::-1] else "Not a palindrome"

    print(f"Line {line_number}: {line.strip()} ({total_sum}) - {palindrome_status}")
    line_number += 1
```

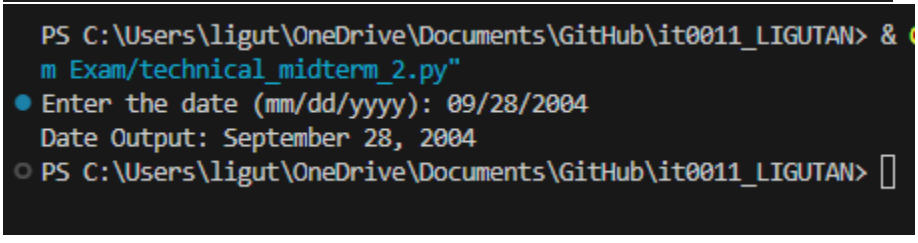


```
PS C:\Users\ligut\OneDrive\Documents\GitHub\it0011_LIGUTAN> & C:/Users/lig
m Exam/technical_midterm_1.py"
Line 1: 10,20,30,40,50 (150) - Not a palindrome
Line 2: 90,10,1 (101) - Palindrome
Line 3: 20,2,80,120 (222) - Palindrome
Line 4: 200,171,459,151,20 (1001) - Palindrome
Line 5: 50,60,33,22,6 (171) - Palindrome
Line 6: 101,202,303,404,505 (1515) - Not a palindrome
Line 7: 1000,800,200,2 (2002) - Palindrome
Line 8: 85,56,34,44,23 (242) - Palindrome
Line 9: 5,10,20,40,80 (155) - Not a palindrome
Line 10: 305,700,1058,587,12 (2662) - Palindrome
```

Program 2:



```
from datetime import datetime

date_input = input("Enter the date (mm/dd/yyyy): ")
date_obj = datetime.strptime(date_input, "%m/%d/%Y")
formatted_date = date_obj.strftime("%B %d, %Y")

print("Date Output:", formatted_date)
```



```
PS C:\Users\ligut\OneDrive\Documents\GitHub\it0011_LIGUTAN> & C
m Exam/technical_midterm_2.py"
Enter the date (mm/dd/yyyy): 09/28/2004
Date Output: September 28, 2004
PS C:\Users\ligut\OneDrive\Documents\GitHub\it0011_LIGUTAN>
```