Faculty of Engineering and Technology
Electrical and Computer Engineering Department

ENCS313

Report

python Project

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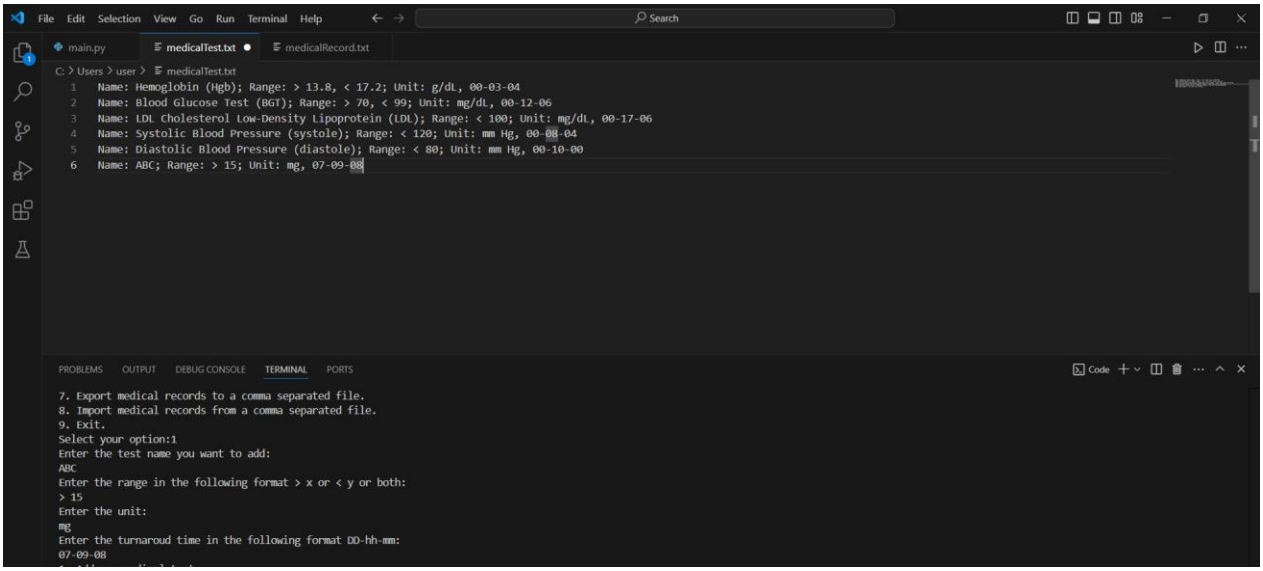
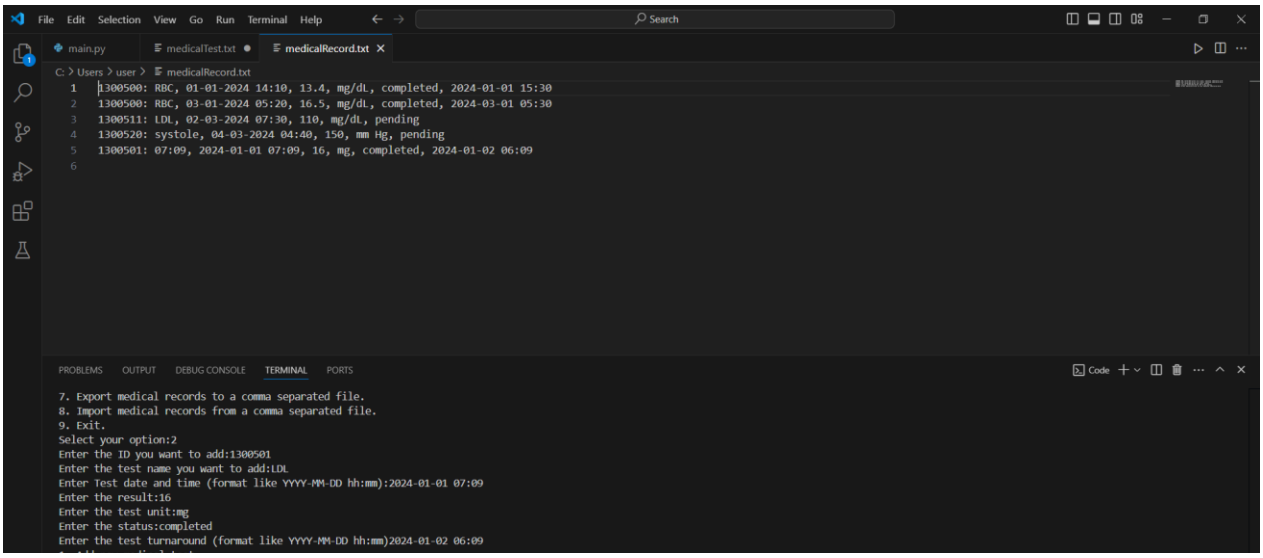
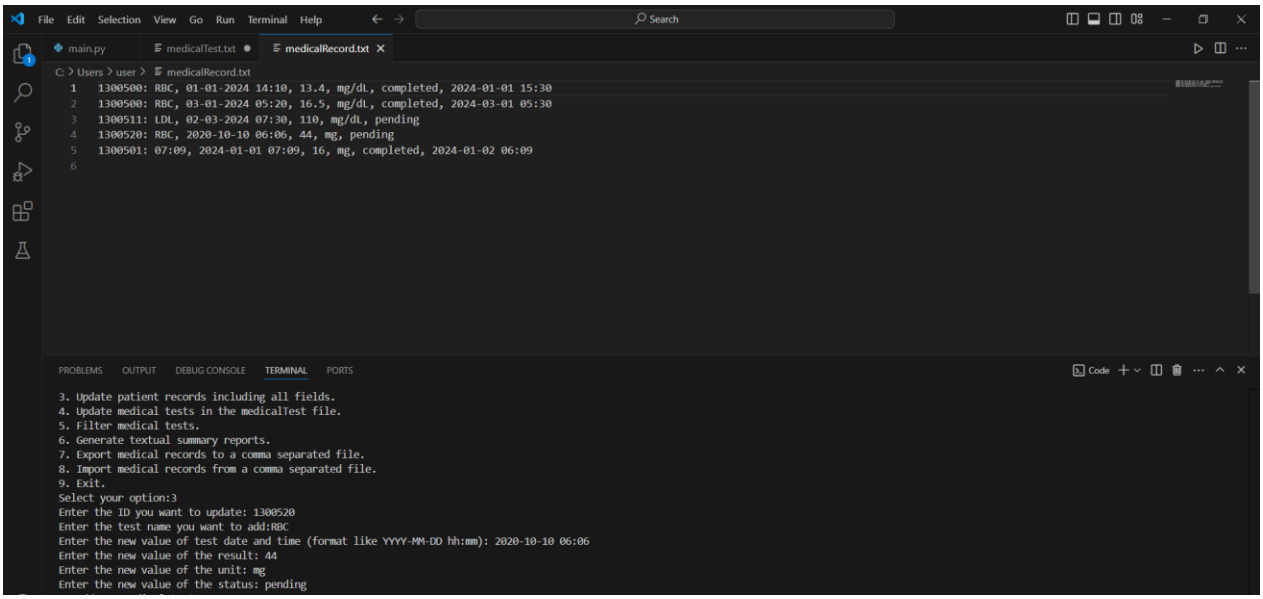
Some Test Cases:



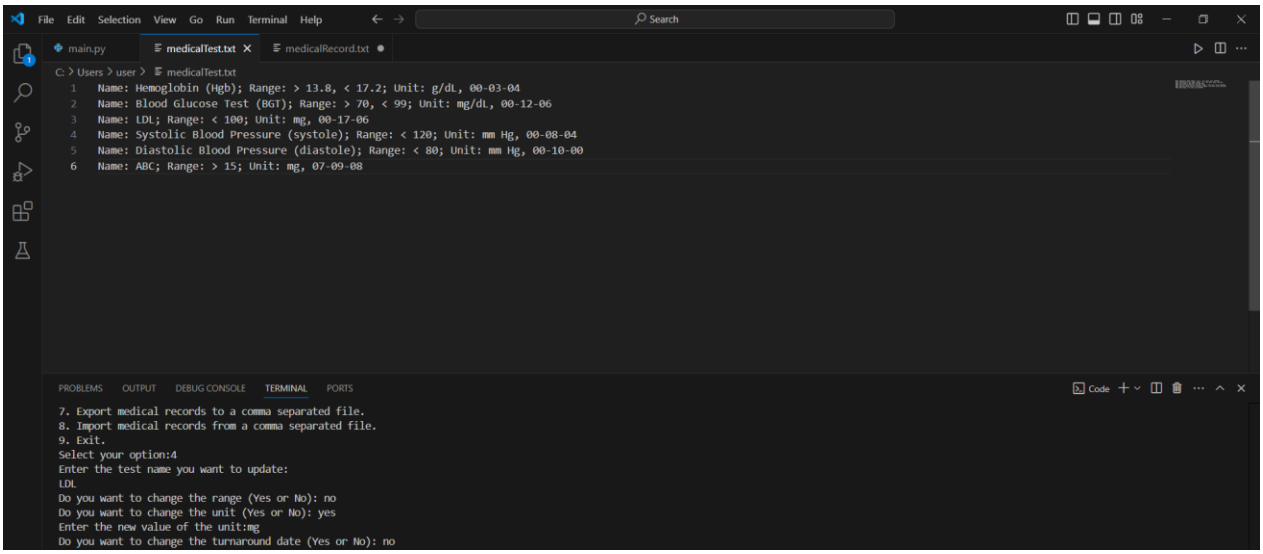
As shown above, the medical test was successfully added to the file.



As shown above, the medical record was successfully added to the file.



As shown above, the medical record was successfully updated in the file including all fields.



As shown above, the medical test was successfully updated in the file.

```
Select your option:5
Enter Yes for the criteria you want to filter and No for other:
do you want to retrieve the id: yes
Enter the id:1300500
do you want to retrieve the test Name: no
do you want to retrieve the Abnormal tests: no
do you want to retrieve test within a specific period: no
do you want to retrieve the status:no
do you want to retrieve the turnaround:yes
1300500: RBC, 1-1-2024 14:10, 13.4, mg/dL, completed, 1-1-2024 15:30
1300500: RBC, 3-1-2024 5:20, 13.5, mg/dL, pending, 1-1-2024 15:30
1. Add new medical test
```

As shown above, the medical tests were filtered successfully based on the user's input.

```
9. Exit.
Select your option:6
Max value for the filtered tests is: 13.5
Min value for the filtered tests is: 13.4
The average for test RBC is 13.45
Max turnarounds for the filtered tests is: 10:10
Min turnarounds for the filtered tests is: 1:20
The average for turnaround test RBC is 20700.0 seconds
```

The textual summary report for the previous filtered tests was also generated successfully.

	G	F	E	D	C	B	A	
	Results Date	Status	Unit	Result	Test Date and Time	Test Name	ID	1
	1/1/2024 15:30	completed	mg/dL	13.4	1/1/2024 14:10	RBC	1300500	2
	1/1/2024 15:30	pending	mg/dL	13.5	3/1/2024 5:20	RBC	1300500	3
		pending	mg/dL	110	3/2/2024 7:30	LDL	1300511	4
		pending	h	23	9/8/2024 11:04	systole	1300520	5
								6

In case 7 the file was successfully imported into a csv file.

H	G	F	E	D	C	B	A	
	Results Date	Status	Unit	Result	Test Date and Time	Test Name	ID	1
	1/1/2024 15:30	completed	mg/dL	13.4	1/1/2024 14:10	RBC	1300500	2
	1/1/2024 15:30	completed	mg/dL	13.5	3/1/2024 5:20	RBC	1300500	3
		pending	mg/dL	110	3/2/2024 7:30	LDL	1300511	4
		pending	h	23	9/8/2024 11:04	systole	1300520	5
		pending	mm	90	9/4/2024 11:30	LDL	1300555	6

For case 8 we added a new medical record to be exported into the file

```
1300500, RBC, 1/1/2024 14:10, 13.4, mg/dL, completed, 1/1/2024 15:30
1300500, RBC, 3/1/2024 5:20, 13.5, mg/dL, completed, 1/1/2024 15:30
1300511, LDL, 3/2/2024 7:30, 110, mg/dL, pending,
1300520, systole, 9/8/2024 11:04, 23, h, pending,
1300555, LDL, 9/4/2024 11:30, 90, mm, pending,
```

Which as shown, it was successfully added.