



Faculty of Engineering & Technology

Electrical and Computer Engineering Department

COMPUTER ARCHITECTURE

ENCS4370

Project 1

Prepared by:

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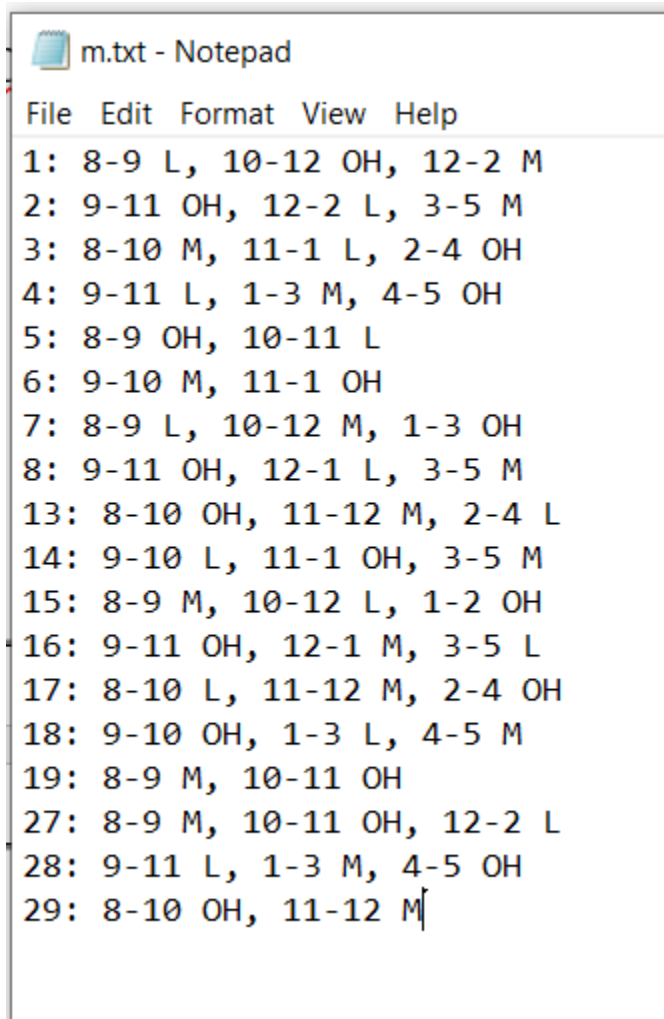
Leena Affouri 1200335

Instructor: Dr. Aziz Qaroush

Section: 2

Date: 8/12/2023

- First file text



```
m.txt - Notepad
File Edit Format View Help
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
13: 8-10 OH, 11-12 M, 2-4 L
14: 9-10 L, 11-1 OH, 3-5 M
15: 8-9 M, 10-12 L, 1-2 OH
16: 9-11 OH, 12-1 M, 3-5 L
17: 8-10 L, 11-12 M, 2-4 OH
18: 9-10 OH, 1-3 L, 4-5 M
19: 8-9 M, 10-11 OH
27: 8-9 M, 10-11 OH, 12-2 L
28: 9-11 L, 1-3 M, 4-5 OH
29: 8-10 OH, 11-12 M
```

View Menu

```
WELCOM TO OUR FIRST PROJECT OF COMPUTER ARCHITECTURE
MADE BY: Mariam Hamad - 1200837 & Leena Affouri - 1200335
It was made with a lot of effort and staying awake . Please do not ignore it

File opened successfully!
-----

Menu:
1. View Calendar
2. View Statistics
3. Add Appointment
4. Delete Appointment
5. Exit
Enter your choice:
```

1- View calendar

Menu:

1. View Calendar
2. View Statistics
3. Add Appointment
4. Delete Appointment
5. Exit

Enter your choice: 1

THE DATA IN THE FILE IS:

1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
13: 8-10 OH, 11-12 M, 2-4 L
14: 9-10 L, 11-1 OH, 3-5 M
15: 8-9 M, 10-12 L, 1-2 OH
16: 9-11 OH, 12-1 M, 3-5 L
17: 8-10 L, 11-12 M, 2-4 OH
18: 9-10 OH, 1-3 L, 4-5 M
19: 8-9 M, 10-11 OH
27: 8-9 M, 10-11 OH, 12-2 L
28: 9-11 L, 1-3 M, 4-5 OH
29: 8-10 OH, 11-12 M

Calendar Menu:

1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender

Enter your choice:

A- View Calendar Per Day

Case 1: if day exist

Calendar Menu:

1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender

Enter your choice: 1

View Calendar per Day:

1. Enter the number of the day to view the calendar: 1

The day exists. Schedule:

1: 8-9 L, 10-12 OH, 12-2 M

Calendar Menu:

1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender

Enter your choice: 1

View Calendar per Day:

1. Enter the number of the day to view the calendar: 14

The day exists. Schedule:

14: 9-10 L, 11-1 OH, 3-5 M

Calendar Menu:

1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender

Enter your choice: 1

View Calendar per Day:

1. Enter the number of the day to view the calendar: 28

The day exists. Schedule:

28: 9-11 L, 1-3 M, 4-5 OH

Clear

Case 2: if day not exist

```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 1  
View Calendar per Day:  
1. Enter the number of the day to view the calendar: 30  
The day does not exist.
```

```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 1  
View Calendar per Day:  
1. Enter the number of the day to view the calendar: 10  
The day does not exist.
```

Case 3: if the number of day not between the range from 0 to 31

```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 1  
View Calendar per Day:  
1. Enter the number of the day to view the calendar: 35  
The Number Of Day Must Be Between 0 And 31 only ---> TRY AGAIN  
View Calendar per Day:  
1. Enter the number of the day to view the calendar: 1  
The day exists. Schedule:  
1: 8-9 L, 10-12 OH, 12-2 M
```

B- View Calendar per Set of Days

```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 2  
  
2. View Calendar per Set of Days:  
Enter the number of days: 3  
  
Enter the number of day:  
4  
The day exists. Schedule:  
4: 9-11 L, 1-3 M, 4-5 OH  
  
Enter the number of day:  
20  
The day does not exist.  
  
Enter the number of day:  
35  
The Number Of Day Must Be Between 0 And 31 only ---> TRY AGAIN  
  
Enter the number of day:  
28  
The day exists. Schedule:  
28: 9-11 L, 1-3 M, 4-5 OH
```

The picture above explain all cases: (in the first we must put the number of days we want to view calendar for them and then put the specifics day numbers)

Case 1: if day exist

Case 2: if day not exist

Case 3: if number of day out of range

C- View Calendar by Given Slot in a Given Day

```
-----
Calendar Menu:
1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender
Enter your choice: 3
Enter the number of days: 1
The day exists. Schedule:
1: 8-9 L, 10-12 OH, 12-2 M
Please Enter The First Time:
8
Valid Time
Please Enter The Last Time:
1
Valid Time
8-9 L, 10-12 OH, 12-2 M

8,9,10,12,12,2,

The first and last hour entered by user
8 13
8-9 , 10-12 , 12-1 ,
```

View the new slot for day for specific day

```
-----
Calendar Menu:
1. View Calendar per Day
2. View Calendar per Set of Days
3. View Calendar by Given Slot in a Given Day
4. Exit From View Menu Calender
Enter your choice: 3
Enter the number of days: 8
The day exists. Schedule:
8: 9-11 OH, 12-1 L, 3-5 M
Please Enter The First Time:
10
Valid Time
Please Enter The Last Time:
4
Valid Time
9-11 OH, 12-1 L, 3-5 M

9,11,12,1,3,5,

The first and last hour entered by user
10 16
10-11 , 12-1 , 3-4 ,
-----
```



```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 3  
Enter the number of days: 2  
The day exists. Schedule:  
2: 9-11 OH, 12-2 L, 3-5 M  
Please Enter The First Time:  
10  
Valid Time  
Please Enter The Last Time:  
4  
Valid Time  
9-11 OH, 12-2 L, 3-5 M  
  
9,11,12,2,3,5,  
  
The first and last hour entered by user  
10 16  
10-11 , 12-2 , 3-4 ,
```

```
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Giver  
4. Exit From View Menu Calender  
Enter your choice: 3  
Enter the number of days: 13  
The day exists. Schedule:  
13: 8-10 OH, 11-12 M, 2-4 L  
Please Enter The First Time:  
9  
Valid Time  
Please Enter The Last Time:  
3  
Valid Time  
8-10 OH, 11-12 M, 2-4 L  
  
8,10,11,12,2,4,  
  
The first and last hour entered by user  
9 15  
9-10 , 11-12 , 2-3 ,
```

D- Exit From View Menu Calender

```
-----  
Calendar Menu:  
1. View Calendar per Day  
2. View Calendar per Set of Days  
3. View Calendar by Given Slot in a Given Day  
4. Exit From View Menu Calender  
Enter your choice: 4  
Menu:  
1. View Calendar  
2. View Statistics  
3. Add Appointment  
4. Delete Appointment  
5. Exit  
Enter your choice:
```

2. View Statistics

Menu:

1. View Calendar
2. View Statistics
3. Add Appointment
4. Delete Appointment
5. Exit

Enter your choice: 2

THE DATA IN THE FILE IS:

```
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L, 12-2 M
6: 9-10 M, 11-1 OH, 3-4 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
9: 8-9 M, 10-11 OH, 1-3 L
```

when we choose number 2 first it print the data for the user

Then the statistics menu :

```
-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: |
```

Number of lectures (in hours):

```
Enter your choice: 1
The number of Lecture (in hours) is: 49
-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: |
```

when I choose the number of lectures option its calculate the number of lecture in the whole calendar and print the value as we can see in the picture then show the statistics menu again

```

-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 1
The number of Lecture (in hours) is: 13
-----

```

Number of OH (in hours):

```

-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 2
The number of OH (in hours) is: 49
-----

```

```

-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 

```

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 2
The number of OH (in hours) is: 14
-----

```

Number of Meetings (in hour):

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 3
The number of Meeting (in hours) is: 44
-----

```

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 

```

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 3
The number of Meating (in hours) is: 11
-----

```

Average lectures per day:

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 4
the number of days in the calender is: 30
The number of Lecture (in hours) to find the avg is:49

```

```

average lectures per day is: 1.6333333
-----

```

```

Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics

```

```

-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 4
the number of days in the calender is: 8
The number of Lecture (in hours) to find the avg is:13

average lectures per day is: 1.625

```

The ratio between total number of hours reserved for lectures and the total number of hours reserved OH:

```
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 5
The number of Lecture (in hours) is: 49
The number of OH (in hours) is: 49
ratio between hours lectures and OH is: 1.0
-----
```

```
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: |
```

```
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 5
The number of Lecture (in hours) is: 13
The number of OH (in hours) is: 14
ratio between hours lectures and OH is: 1.0769231
-----
```

Exit from view statistics menu:


```
-----
Statistics Menu:
1. number of lectures (in hours)
2. number of OH (in hours)
3. number of Meetings (in hour)
4. average lectures per day
5. the ratio between total number of hours reserved for lectures and the total number of hours reserved OH
6. Exit From View Menu Statistics
Enter your choice: 6
File opened successfully!
-----
```

```
Menu:
1. View Calendar
2. View Statistics
3. Add Appointment
4. Delete Appointment
5. Exit
Enter your choice: |
```

3- Add appointment

If the day exist

By test in second data in file

 m.txt - Notepad
File Edit Format View Help
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M

Adding an appointment:

NOTE: You Can Add New Day With Appointment you need OR You Can add On The Day Already Exist

Enter day number: 6

THE DAY IS ALREADY EXIST AND THIS IS THEIR SLOT IN THE CALENDER

9-10 M, 11-1 OH

Please enter the first hour for new slot to the day you choose

Note: The first hour should be larger than last hour already exist and be less than 5 pm ---> 2

----- The Time You Entered Is Approve ^-^ -----

Please Enter The last Time In Slot (It Should Be Between 8am - 5pm And Bigger Than The First TIME

4

----- The Time You Entered Is Approve ^-^ -----

Please enter the type for the slot you entered

NOTE: SHOULD BE EQUAL 'L' / 'M' / 'O' = 'OH' ----> L

THE TYPE YOU ENTERED IS TRUE ^-^

THE LINE WE WRITE IN THE FILE IS:

1: 8-9 L, 10-12 OH, 12-2 M

2: 9-11 OH, 12-2 L, 3-5 M

3: 8-10 M, 11-1 L, 2-4 OH

4: 9-11 L, 1-3 M, 4-5 OH

5: 8-9 OH, 10-11 L

6: 9-10 M, 11-1 OH, 02-04 L

7: 8-9 L, 10-12 M, 1-3 OH

8: 9-11 OH, 12-1 L, 3-5 M

If the day already exist

The result of adding in the file:

```
m.txt - Notepad
File Edit Format View Help
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
```

CASE 2: if the day don't exist – add the day with its slot


a- If the user want to add one slot

```
Menu:
1. View Calendar
2. View Statistics
3. Add Appointment
4. Delete Appointment
5. Exit
Enter your choice: 3

-----
Adding an appointment:
NOTE: You Can Add New Day With Appointment you need OR You Can add On The Day Already Exist

Enter day number: 9
THE DAY YOU ENTERED IS NOT EXIST IN THE FILE SO WE WILL ADD IT AS NEW DAY IN CALENDER
THE NUMBER OF DAY YOU WANT TO ADD IT TO YOUR CALENDER IS ----> 9
Enter time slot:
Please Enter The First Time In Slot (It Should Be Between 8am - 5pm And Less Than The Last TIME
8
-----
The Time You Entered Is Approve ^-^ -----
Please Enter The last Time In Slot (It Should Be Between 8am - 5pm And Bigger Than The First TIME
4
-----
The Time You Entered Is Approve ^-^ -----
Please enter the type for the slot you entered
NOTE: SHOULD BE EQUAL 'L' / 'M' / 'O' = 'OH' ----> L
THE TYPE YOU ENTERED IS TRUE ^-^
DO YOU WANT TO ADD ANOTHER SLOT? PLEASE ANSWER WITH Y(YES) OR N(NO) ----> N
THE LINE WE WRITE IN THE FILE IS:
09: 08-04 L
```

This is the result of day in the file:

 m.txt - Notepad

```
File Edit Format View Help
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
09: 08-04 L
```

B- IF the day not exist and the user want to add more than slot to it

Adding an appointment:

NOTE: You Can Add New Day With Appointment you need OR You Can add On The Day Already Exist

Enter day number: 22

THE DAY YOU ENTERED IS NOT EXIST IN THE FILE SO WE WILL ADD IT AS NEW DAY IN CALENDER

THE NUMBER OF DAY YOU WANT TO ADD IT TO YOUR CALENDER IS ----> 22

Enter time slot:

Please Enter The First Time In Slot (It Should Be Between 8am - 5pm And Less Than The Last TIME

8

----- The Time You Entered Is Approve ^-^ -----

Please Enter The last Time In Slot (It Should Be Between 8am - 5pm And Bigger Than The First TIME

11

----- The Time You Entered Is Approve ^-^ -----

Please enter the type for the slot you entered

NOTE: SHOULD BE EQUAL 'L' / 'M' / 'O' = 'OH' ---> O

THE TYPE YOU ENTERED IS TRUE ^-^

DO YOU WANT TO ADD ANOTHER SLOT? PLEASE ANSWER WITH Y(YES) OR N(NO) ----> Y

THE LINE WE WRITE IN THE FILE IS:

22: 08-11 OH,

Please Enter The First Time In Slot (It Should Be Between 8am - 5pm And Less Than The Last TIME

12

----- The Time You Entered Is Approve ^-^ -----

Please Enter The last Time In Slot (It Should Be Between 8am - 5pm And Bigger Than The First TIME

2

----- The Time You Entered Is Approve ^-^ -----

Please enter the type for the slot you entered

NOTE: SHOULD BE EQUAL 'L' / 'M' / 'O' = 'OH' ---> L

THE TYPE YOU ENTERED IS TRUE ^-^

Clear

DO YOU WANT TO ADD ANOTHER SLOT? PLEASE ANSWER WITH Y(YES) OR N(NO) ----> Y

THE LINE WE WRITE IN THE FILE IS:

22: 08-11 OH, 12-02 L

Please Enter The First Time In Slot (It Should Be Between 8am - 5pm And Less Than The Last TIME

3

----- The Time You Entered Is Approve ^-^ -----

Please Enter The last Time In Slot (It Should Be Between 8am - 5pm And Bigger Than The First TIME

4

----- The Time You Entered Is Approve ^-^ -----

Please enter the type for the slot you entered

NOTE: SHOULD BE EQUAL 'L' / 'M' / 'O' = 'OH' ---> M

THE TYPE YOU ENTERED IS TRUE ^-^

DO YOU WANT TO ADD ANOTHER SLOT? PLEASE ANSWER WITH Y(YES) OR N(NO) ----> N

THE LINE WE WRITE IN THE FILE IS:

22: 08-11 OH, 12-02 L 03-04 M

The result in the file:



*m.txt - Notepad

File Edit Format View Help

1: 8-9 L, 10-12 OH, 12-2 M

2: 9-11 OH, 12-2 L, 3-5 M

3: 8-10 M, 11-1 L, 2-4 OH

4: 9-11 L, 1-3 M, 4-5 OH

5: 8-9 OH, 10-11 L

6: 9-10 M, 11-1 OH, 02-04 L

7: 8-9 L, 10-12 M, 1-3 OH

8: 9-11 OH, 12-1 L, 3-5 M

09: 08-04 L

22: 08-11 OH, 12-02 L, 03-04 M →

4- Delete appointment

```
3. Add Appointment
4. Delete Appointment
5. Exit
Enter your choice: 4
THE DATA IN THE FILE IS:

1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
Please enter the number of day that you want to delete from Please choose a day from the calender shown for you: 5
Please enter the type that you want to delete (L or M or O (for OH)) L
Please enter the start time for the slot that you want to delete from 10
Please enter the end time for the slot that you want to delete from 11

IAM HERE
```

Clear

```
the delete process successfull, here is the calendar with the delete
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH,
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
IAM HERE
```

The delete modification on the data file :



m.txt - Notepad

File Edit Format View Help

```
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH,
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
```

Another example:

```
3. Add Appointment
4. Delete Appointment
5. Exit
Enter your choice: 4
THE DATA IN THE FILE IS:

1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
Please enter the number of day that you want to delete from Please choose a day from the calender shown for you: 5
Please enter the type that you want to delete (L or M or O (for OH)) L
Please enter the start time for the slot that you want to delete from 10
Please enter the end time for the slot that you want to delete from 11
```

Clear IAM HERE

```
the delete process successfull, here is the calendar with the delete
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH,

6: 9-10 M, 11-1 OH, 02-04 L
7: 8-9 L, 10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
IAM HERE
```



m.txt - Notepad

File Edit Format View Help

```
1: 8-9 L, 10-12 OH, 12-2 M
2: 9-11 OH, 12-2 L, 3-5 M
3: 8-10 M, 11-1 L, 2-4 OH
4: 9-11 L, 1-3 M, 4-5 OH
5: 8-9 OH, 10-11 L
6: 9-10 M, 11-1 OH, 02-04 L
7:10-12 M, 1-3 OH
8: 9-11 OH, 12-1 L, 3-5 M
8: 9-11 OH, 12-1 L, 3-5 M
```

5- Exit program

```
Menu:  
1. View Calendar  
2. View Statistics  
3. Add Appointment  
4. Delete Appointment  
5. Exit  
Enter your choice: 5  
  
-- program is finished running --
```