

Application interaction

```
Please enter your practitioner id [E] to exit:10
Invalid Practitioner ID. Please Try Again
Please enter your practitioner id [E] to exit:
```

```
Please enter your practitioner id [E] to exit:1
Please enter the date for appointment list [E] to exit:2022-02-21

1:      09:00:00      B      Melissa May      yyyy12341234
2:      15:50:11      P      Victoria Gutierrez      xxxx12341234
Enter the appointment number that you would like to work on.
[E] to exit [D] to go back to another date :
```

```
Please enter the date for appointment list [E] to exit:2022-02-21

1:      09:00:00      B      Melissa May      yyyy12341234
2:      15:50:11      P      Victoria Gutierrez      xxxx12341234
Enter the appointment number that you would like to work on.
[E] to exit [D] to go back to another date :2
For Victoria Gutierrez xxxx12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
```

```
Enter your choice:
1
2022-02-21      16:07:32      Patient needs tests
2022-02-21      16:00:11      Patient is feeling dizzy
For Victoria Gutierrez xxxx12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
```

Enter your choice:

2

2022-02-26	[Diabetes]	PENDING
2022-02-05	[blood iron]	Meduim Levels
2022-01-05	[blood iron]	Low Levels

For Victoria Gutierrez xxxx12341234 :

1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments

Enter your choice:

Enter your choice:

3

Type your observation: Patient is feeling well

For Victoria Gutierrez xxxx12341234 :

1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments

Enter your choice:

For Victoria Gutierrez xxxx12341234 :

1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments

Enter your choice:

1

2022-03-02	21:45:48	Patient is feeling well
2022-02-21	16:07:32	Patient needs tests
2022-02-21	16:00:11	Patient is feeling dizzy

```
For Victoria Gutierrez xxxx12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
4
Please enter the type of test: trisomy 21
For Victoria Gutierrez xxxx12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
```

```
Please enter the type of test: Group B streptococcus
For Melissa May yyyy12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
1
2022-02-23      09:15:00      No comments
2022-02-23      09:07:32      Patient looks nervous
For Melissa May yyyy12341234 :
1. Review notes
2. Review tests
3. Add a note
4. Prescribe a test
5. Go back to the appointments
Enter your choice:
```

```
Enter your choice:
5

1:      09:00:00      B      Melissa May      yyyy12341234
2:      15:50:11      P      Victoria Gutierrez      xxxx12341234
Enter the appointment number that you would like to work on.
[E] to exit [D] to go back to another date :D
Please enter the date for appointment list [E] to exit:2022-03-02

1:      09:00:00      P      Dorris Jane      www12341234
2:      11:00:00      P      Stephanie Joe      zzzz12341234
Enter the appointment number that you would like to work on.
[E] to exit [D] to go back to another date :
```

Data Analytics

In my relation, I assumed that a Baby that has not been born yet has a birth date of null, thus in my query, I only count babies that do not have a null in their birth date to make sure that they have been already born.

This is a query that find the number of babies born every month, then exports this data to a csv file.

The Query:

```
EXPORT TO "birth_data.csv" OF DEL MESSAGES ON  
SELECT MONTH(birthdate) AS Month, count(*) AS No_of_Births  
FROM baby  
WHERE birthdate IS NOT NULL  
GROUP BY MONTH(birthdate)  
  
HAVING COUNT(*) >= 5;
```

Executing the query:

```
db2 => EXPORT TO "birth_data.csv" OF DEL MESSAGES ON SELECT MONTH(birthdate) AS Month, count(*)  
AS No_of_Births FROM baby WHERE birthdate IS NOT NULL GROUP BY MONTH(birthdate) HAVING COUNT(*)  
>= 5;
```

```
Number of rows exported: 3
```

```
db2 =>
```

The chart:

This is a graph showing a sample result of the rows exported in the csv file

