

All the queries codes are in the myQuery.sql file. This is the output file showing the results after running myQuery.sql

Q1. What are the all members' names?

```
[slumber=> select name_m from Members;
              name_m
```

```
-----
Jack
Emma
Rick
Dave
Francis
Louis
(6 rows)
```

Q2: Find out all the members whose member's status is drop-in.

```
[slumber=> select name_m from Members
where member_status = 'drop-in';
              name_m
```

```
-----
Francis
Louis
(2 rows)
```

Q3. Find out all the non-members' names appear in the table sorted by alphabets.

```
select name_p from Public  
except select name_m from Members;
```

```
slumber=> select name_p from Public  
[except select name_m from Members  
[slumber-> order by name_p;  
                name_p  
-----  
Bella  
Brandon  
Hulk  
Joshua  
Julia  
Marlin  
Tom  
(7 rows)
```

Q4: Find out and illustrate all the names public who has purchased pass.

--(names sorted by alphabets)

```
slumber=> select all name_p from Public natural join Pass  
where receiptnumber is not NULL  
[order by name_p;  
                name_p  
-----  
Dave  
Emma  
Francis  
Jack  
Louis  
Rick  
(6 rows)
```

Q5 Find out all the public who have already purchased the passed and showed their pass duration and names, name sorted by alphabets.

```
slumber=> select all name_p, duration from Public natural join Pass
where receiptnumber is not NULL
order by name_p;
```

name_p	duration
Dave	quarterly pass
Emma	annual pass
Francis	10 drop-ins
Jack	annual pass
Louis	10 drop-ins
Rick	quarterly pass

(6 rows)

```
slumber=> █
```

Q6: How much does the consumer spend the most in merchandise?

```
maxprice
-----
      55
(1 row)
```

Q7. Suppose the maintainance fee for gym is \$30/ per person

how much profits could gym earn from each members from the passes?

name_p	receiptnumber	duration	passprice	passprofit
Jack	300 800 3409	annual pass	450	420
Emma	300 800 3410	annual pass	450	420
Rick	200 800 7461	quarterly pass	160	130
Dave	200 800 7468	quarterly pass	160	130
Francis	100 800 9001	10 drop-ins	50	20
Louis	100 800 9002	10 drop-ins	50	20

(6 rows)

Q8: Calculate the summation cost by 100 800 9001 and 300 800 3409

```

totalmoney
-----
          500
(1 row)

```

Q9:What is the total values of one same item products stored in the stock?

```

          item          | totalmoney
-----+-----
shoes                  |         165
socks                   |          65
shirt                   |          60
(3 rows)

```

Q10: What is the most costly additional service in our diagram?

```

service_name           | price
-----+-----
Workout#D01            |    120
(1 row)

```