- 1. What is the difference between a view and a table in sql?

 A table contains data, a view is more like a virtual table. It could store result of a query and use in another query to form an otherwise very complex query. Also, view could join data in several databases.
- How does a GROUP BY statement in SQL work?
 GROUP BY is used with aggregate function. So that the aggregation function would apply to each group rather than the whole table.
- 3. What is HTTP and how do HTTP requests work?

 HTTP gives users a way to interact with resources all over the world. It use TCP to connect which requires three handshakes between client and server.
- 4. What are the characteristics of a RESTful API? The fundamental concept in any RESTful API is the resource. A resource is an object with a type, associated data, relationships to other resources, and a set of methods that operate on it. It is similar to an object instance in an object-oriented programming language, with the important difference that only a few standard methods are defined for the resource (corresponding to the standard HTTP GET, POST, PUT and DELETE methods), while an object instance typically has many methods.
- 5. Given the two tables 'Birth Info' and 'Astrological Info', what is the result of the following queries in table form.
 - a. SELECT name, birth_month, astrological_sign FROM birth_info LEFT JOIN astrological_info ON birth_info,birth_month = astrological_info.month

Name	Birth_month	Astrological_sign
Don	September	Virgo
Meghna	June	Gemini
Aly	January	NULL
Ara	September	Virgo
Kirit	May	NULL

b. SELECT name, birth_month, astrological sign FROM birth_info OUTER JOIN astrological_info ON birth_info.birth_month = astrological_info.month

Name	Birth_month	Astrologicacl_sign
Don	September	Virgo
Aly	January	Aquarius
Ara	September	Virgo
Kirit	May	Null
Meghna	June	Null

c. SELECT name, birth_month, astrological sign FROM birth_info INNER JOIN astrological_info ON birth_info.birth_month = astrological_info.month

Name	Birth_month	Astrologicacl_sign
Don	September	Virgo
Aly	January	Aquarius
Ara	September	Virgo

d. SELECT name, birth_month, astrological sign FROM birth_info RIGHT JOIN astrological_info ON birth_info.birth_month = astrological_info.month

Name	Birth_month	Astrologicacl_sign
Don	September	Virgo
Aly	January	Aquarius
Ara	September	Virgo

6. What do these HTTP response codes mean:

Code	Meaning
200	OK
201	Created
400	Bad request
401	Unauthorized
300	Multiple choice
403	Forbidden
404	Not found
500	Internel server error