Complete all questions in 1 hour.

1. Differentiate between Data and Information.

Ans:

Data refers to the raw facts and figures that have not been organized or processed, while information is data that has been arranged and presented in a meaningful context. Data is the unprocessed input, while information is the output that can be used for decision-making or drawing conclusions. In simpler terms, data is the raw material and information is the finished product.

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2. Write short notes on:

a) DBMS:

A DBMS, or Database Management System, is a software system that enables users to interact with databases. It provides various tools for creating, modifying, and querying databases. It also manages the storage, retrieval, and security of data and ensures the integrity of the data. DBMSs are widely used in various industries such as banking, healthcare, and e-commerce to manage and organize large amounts of data.

b) SQL:

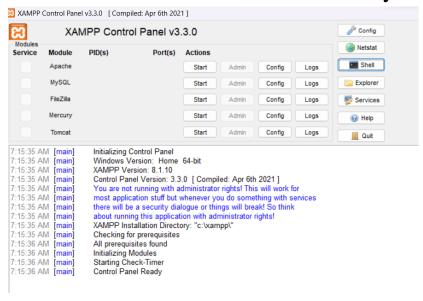
SQL, which stands for Structured Query Language, is a programming language used to manage and manipulate data in relational databases. It is used for inserting, updating, retrieving, and deleting data in a database. It is

a widely used standard language for relational database management systems.

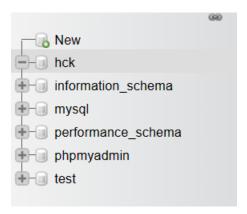
c) File System:

A file system is a way of organizing and storing files on a storage device such as hard drive or flash drive. It arranges files in a hierarchical structure, with a main directory at the top and subdirectories beneath it. Different file systems have different characteristics and features like support for different file types, file permissions, and file compression. They are crucial for managing and organizing files on a computer or other electronic devices, and enables users to easily access and manipulate their files.

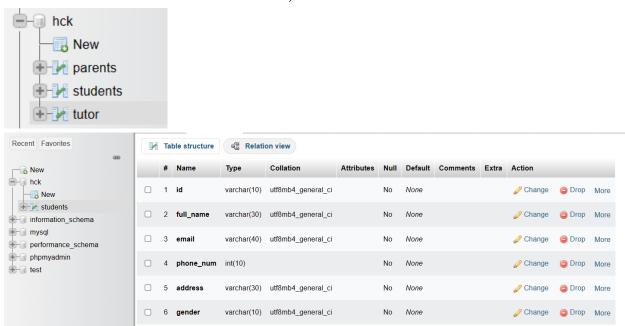
3. Download and install XAMPP from any browser.



4. Create a database named HCK.



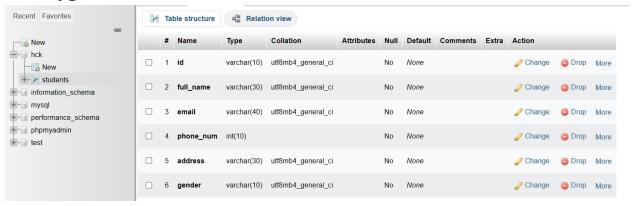
5. Create tables named Students, Parents and Tutors.

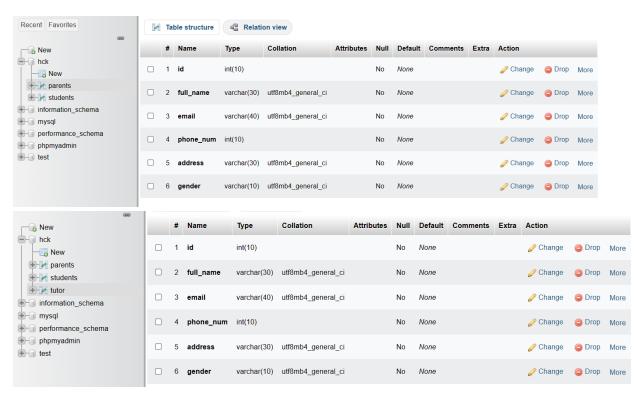


6. Create the attributes like (id, full_name, email, phone_no, address and gender) in all the above tables with suitable

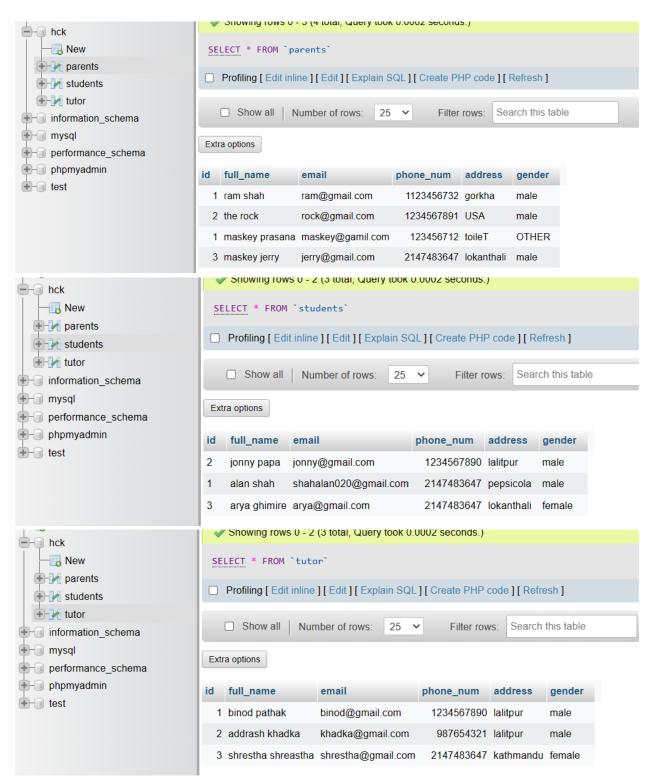
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data types.



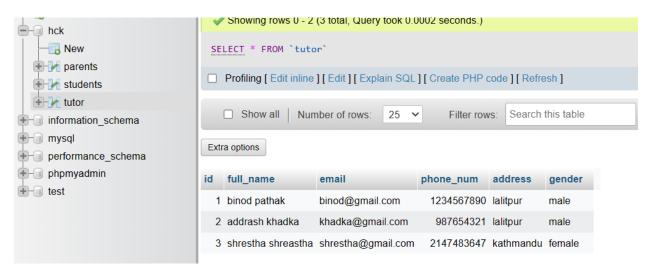


7. Insert the data using SQL Commands in all the table. (3 data)



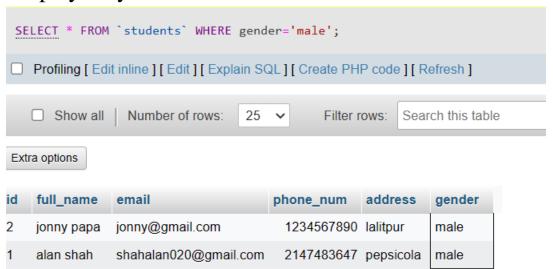
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8. Display the all data of the table Tutors.



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9. Display only male students from table Students.



10. Drop column Parents using SQL command.

1 ALTER TABLE parents

3 maskey jerry

```
DROP COLUMN gender;

id full_name email phone_num address

1 ram shah ram@gmail.com 1123456732 gorkha

2 the rock rock@gmail.com 1234567891 USA

1 maskey prasana maskey@gamil.com 123456712 toileT
```

11. Delete a row in student using SQL command.

2147483647 lokanthali

jerry@gmail.com

1	DELETE	FROM	students	WHERE	id	=	ø3 ;

id	full_name	email	phone_num	address	gender
2	jonny papa	jonny@gmail.com	1234567890	lalitpur	male
1	alan shah	shahalan020@gmail.com	2147483647	pepsicola	male