

MYSQL ASSIGNMENT 2

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1) Which field of the Customers table is the primary key?

Ans: CNUM field of the Customers table is the primary key.

2) What is the 4th column of the Customers table?

Ans: 4th column of the Customers table is RATING.

3) What is another word for row? For column?

Ans:

- ROWS : Tuple, Entity, Opportunity.
- COLUMNS : Attribute, Key, Method.

4) Why isn't it possible to see the first five rows of a table?

Ans:

- It is possible to see first five rows of a table only in DBMS.
- In a DBMS, data is stored in a file. Within a file, the rows are stored sequentially.
- In DBMS, there is a concept of row number.
- In RDBMS, table is not a file, every row is a file.
- Inside the table, rows are not stored sequentially, but are scattered (fragmented) all over the Database server Hard disk.
- The reason, RDBMS does this is to speed up the INSERT statement.
- Consider a multi user environment; if multiple users are inserting rows simultaneously in the same table, if RDBMS were to store sequentially it would be very slow.
- When you INSERT a row in the table, it stores the row wherever it finds the free space in the database server HD.
- However, when we SELECT a row the order of rows depends on the row numbers which are stored sequentially in the ascending order of the row address.
- Hence, it is not possible to see first or last 'N' rows of a table.
- Once you INSERT a row, the row address is constant.

*****End of Assignment*****