

MCQ MySQL

1. Which command is used to add a new row?
- Insert
 - create
 - update
 - add

Answer: Insert

2. Which command is used to change the database?
- Open
 - Change
 - Use
 - Select

Answer: Use

3. Command to remove the row(s) from table student is
- drop table student;
 - drop from student;
 - remove from student;
 - delete from student;

Answer: delete from student;

4. Which is not a MySQL function?
- Mult()
 - Min()
 - Count()
 - Sum()

Answer: Mult()

5. Which is not a category of SQL command?
- DDL
 - XML
 - DML
 - TCL

Answer: XML

6. Which command is used to close the MySQL Software/application?
- exit();
 - Close();
 - Close;
 - exit;

Answer: exit;

7. Which command is used to modify rows in a table.
- Delete

- b. Update
- c. Alter
- d. Modify

Answer: Update

8. Number of rows in a relation is known as
- a. Degree
 - b. Cardinality
 - c. Cartesian Product
 - d. Attribute

Answer: Cardinality

9. Which clause is used to group the column(s) with aggregate function?
- a. Order by
 - b. Like
 - c. Where
 - d. Group by

Answer: Group by

10. A Table customer contains 5 rows and 7 columns. What will be its cardinality and degree?
- a. Degree 7, Cardinality 5.
 - b. Degree 5, Cardinality 7.
 - c. Degree 5, Cardinality 7.
 - d. Cardinality 7, Degree 7.

Answer: Degree 7, Cardinality 5.

11. Name the clause used to remove duplicate rows from the result of SQL select statement.

- a. Unique
- b. Primary Key
- c. Distinct
- d. Candidate Key

Ans. Distinct

12. Alter is _____ command.

- a. DDL
- b. DML
- c. TCL
- d. DCL

Ans. DDL

13. Structure of the table can be seen by:

- a. Select
- b. Show
- c. Print
- d. Desc

Ans Desc

14. Which clause is used to filter the rows in a relation?

- a. Group By
- b. Where
- c. Order By
- d. IN

Ans. Where

15. Which clause is used to arrange rows of a relation?

- a. Group By
- b. Where
- c. Order By
- d. IN

Ans. Order By

16. Name the key used to uniquely identify row in a table and also does not accept NULL values.

- a. Primary Key
- b. Foreign Key
- c. Unique Key
- d. All of Above

Ans. Primary Key

Q Answer the following questions on the basis the given table.

Admno	Name	Subject	Sex	Average
1001	Amit	Math	M	85.5
1002	Suman	English	F	90

a. How many attributes are there in above table?

Ans. There are 5 attributes/columns

b. How many tuples are there in above table?

Ans. There are 2 tuples

c. What is the degree of above table?

Ans. degree – 5

d. What is the cardinality of above table?

Ans. Cardinality – 2

e. Name the primary key in the table.

Ans. Admno is the primary key.

Which field you choose as primary key out of following in “Employee” table

1. Emp_id
2. Emp_name
3. Emp_salary
4. Emp_desig

Ans. Emp_id

MySQL is an _____ Software. (open source/Proprietary)

Ans. open source

Data type of “name” field in a table is char(25). How many bytes will be occupied by values “Ram” and “Rohan Kumar”?

Ans. 25

Varchar is a fixed length data type.(True/False)

Ans. False

Name the command which is used to close MySQL.

Ans. quit

Identify the keyword from the following query.

Select * from book;

Ans. Keywords are : select and from

We can create _____ (database/tables)inside _____(database/tables).

Ans. tables, database

Is Null value is equivalent to Zero?

Ans. No

Write a query to change the data type of above added column (Grade) to varchar(4).

Ans. Alter table student modify (Grade varchar(4));

Drop table Emp; The above command will delete all the records from table "emp". (True/False)

Ans. True

Write the output of the following:

Select 76 + 75%4 from dual;

Ans. 79

Select count(*) from student; return 5 and Select count(fee) from student; return 4

why different output is coming in above two queries?

Ans. Different output shows that there must be one null value in column fee.

Identify the error in the following statement.

Select * from student where name = null

Ans. Select * from student where name is null;

Write the output of the following:

Select round(12.3454,2)

Ans. 12.35

Identify the errors in the following query

Select * from employee where name = "A%";

Ans. Select * from employee where name like "A%";

Select Name , Subject from student where average >20 and < 30;

Ans. Select Name , Subject from student where average >20 and average < 30;

Select * from Student where Name = "Amit" and Name = "Sumit";

Ans. Select * from Student where Name = "Amit" or Name = "Sumit";

An individual data item with in a _____ is called _____

- Field, Record
- Database, Field
- Record, Field

Which of the following are valid field names of table : BOOK?

Book_id
Book_Name
Designation

Book_id
Book_Name
Salary

Book_id
Book_Name
Author_Name

Records are also known as _____ and Fields are also known as _____.

Tuple, Attribute

Attribute, Tuple

Horizontal Data, Vertical Data

Ans Tuple, Attribute

Which of the following is not an example of DBMS?

MySQL

SAP

MS Access

MS Office

Ans Ms office

Duplication of data in database is called _____

Data Redundancy

Data inconsistency

Data consistency

Ans Data Redundancy

Number of records in a table is called _____

Degree

Cardinality

Record number

Ans cardinality

Which of the following key will derived its value from Primary Key?

Candidate Key

Alternate Key

Foreign Key

Ans foreign key

Which of the following constraint allow to enter null value?

- Not Null
- Primary Key
- Unique

Ans unique

If one table has 4 tuples and 6 attributes. What is the degree of table?

- 6
- 4
- 10
- 2

Ans 6

Which of the following is not a type of SQL Command?

- DML
- TCL
- DLL
- DDL

Ans DLL

Which of the following is not the clause in MySQL?

- Group by
- order by
- having
- default

Ans default

SQL functions are of two types, Single row function and double row function.(T/F)

- True
- False

Ans False

Select avg(marks) from student ; will return _____

Marks

30

20

NULL

40

50

35

NULL

28

Ans 35

Select max(marks), min(marks), avg(marks) from student;

Is the above query is correct?

No

Yes

We can not use three aggregate function in single query.

Ans yes

POWER() function accepts _____ value as argument and return _____ value as result.

numeric, numeric

numeric, string

string, numeric

none of the above

Ans numeric,numeric

Write the output of : SELECT ROUND(1359.356, 2);

1359.35

1359.3

1359.36

None of the above

Ans 1359.36

Write the output of : Select mod(40, 15.5);

40

15.5

9.0

Error

Ans

Write the output of : Select pow(2,-2);

0.125

-4

4

0.25

ANS 0.25

To run an SQL query from within python you may use .-----method()?

a) query() b) execute() c) run() d) All of these

Ans (b)

To fetch the multiple records from the result set you may use .-----method in SQL?

a) fetch() b) fetchmany() c) fetchmultiple() d) None of the mentioned

Ans (b)

which of the following is not a comparison query? a) IN b) BETWEEN c) AND d) LIKE

Ans (c)

Which of the following are valid `Cursor` methods used to execute SQL statements and retrieve query results? Select all that apply.

- `Cursor.fetchall()`
 - `Cursor.run()`
 - `Cursor.execute()`
 - `Cursor.fetchmany()`
 - `Cursor.fetchone()`
- Ans `cursor.run()` --invalid
-

Name the method which is used for displaying only one resultset.

fetchmany
fetchno
fetchall
fetchone

Ans `fetchone()`

Pick the correct username used for logging in database.

root
local
localhost
none of these

Ans localhost

The command used for modifying the records is:

update
modify
both
none of these

Ans update

A _____ is a special control structure that facilitates the row-by-row processing of records in the result set. (write answer in lower case)

Ans select

_____ package can be imported in place of `mysql-connector`. (write answer in lower case)

Ans `import mysql.connector`

Which is the best example of a primary key?

Driver's License Number
Home Runs Hit
Price
First and Last Name

Ans Driver's License Number

Which of these commands will delete a table called xyz

- A. DROP XYZ
- B. DROP TABLE XYZ
- C. DELETE XYZ WHERE Confirm = "YES"
- D. DROP XYZ WHERE Confirm = "YES"

Ans (b)

MySQL is

- A. A Programming language
- B. A technique for writing reliable programs
- C. A Relational Database Management System
- D. None of Above

Ans (c)

`connect()` function in `sqlite3` is used for ?

- 1.To connect the database
- 2.To open the database
- 3.To create a database
- 4.All of the above

Ans (a)

To open or connect with the database, which function we used or call at runtime ?

- 1.open()

2.connect()

3.database()

4.All of the above

Ans (2)

What the following query does ?, select count(*) from table

1.It return all rows data

2.It return number of rows in table

3.It return number of columns in table

4.It will give an error

Ans (b)

Which keyword we use to fetch the data from the table in database ?

1.fetch

2.select

3.raw

4.All of the above

Ans (1)

Which of the following is not the function of the sqlite3 in python ?

1.connect()

2.close()

3.execute()

4.raw()

Ans 4.raw()