

1. Besides the creation and dropping of tables and columns (Data Definition Requests or DDL), what other types of requests can you make to a MySQL database? How is data retrieved from a MySQL database? What clauses exist for restricting the data that is returned to the user? Please include the syntax for this type of request, and examples.

1. Create: CREATE table (ex);
2. Alter used to modify or change values in the table: ALTER TABLE (table\_name) ADD COLUMN col\_name;
3. Rename Rename the table or database name: ALTER TABLE (table \_name) RENAME COLUMN col\_name TO new\_col\_name;

2. Research different constructs that are available in MySQL when retrieving data. What types of constructs can be put into the WHERE clause? Please include the syntax for this type of request, and examples.

MySQL supports IF: IF search\_condition THEN statement\_list

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[ELSEIF search_condition THEN statement_list] ...  
[ELSE statement_list]  
END IF
```

CASE: CASE case\_value

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WHEN when_value THEN statement_list  
[WHEN when_value THEN statement_list] ...  
[ELSE statement_list]  
END CASE
```

ITERATE: ITERATE label

LEAVE: LEAVE label

LOOP: [begin\_label:] LOOP

```
statement_list
```

**END LOOP** [*end\_label*]

WHILE: [*begin\_label*:] **WHILE** *search\_condition* **DO**

*statement\_list*  
**END WHILE** [*end\_label*]

REPEAT : [*begin\_label*:] **REPEAT**

*statement\_list*  
**UNTIL** *search\_condition*  
**END REPEAT** [*end\_label*]

RETURN : RETURN *expr*

3. List 3-5 interesting facts that you have learned about MySQL from your research?

One thing that I learned was that MySQL and SQL are not the same. MySQL is the most popular. I learned that it is a source code that is meant to be modified to meet your expectations, and the best part is that you don't have to pay for it. Because it is an industry standard, there are an abundant or resources available for skilled developers. It's important to note that MySQL is a database management system.

<https://www.hostinger.com/tutorials/what-is-mysql>

<https://www.educba.com/mysql-queries/>

<https://dev.mysql.com/doc/refman/8.0/en/flow-control-statements.html>