* **Level-2 10 basic question**

1. **How to Sort any column data in ascending and descending order. (Single Column)**

**Ans. select \* from** Table Name **order by** Column Name **asc**;  
 **select \* from** Table Name **order by** Column Name **desc**;

Example: **select \* from** customer **order by** state\_code **asc**;

1. **How to Sort any column data in ascending and descending order. (Multi Column)**

Ans.: **select \* from** Table name **order by** column1 **asc**, column2 **desc**;  
**Example: select \* from** customer **order by** state\_code **asc**, customer\_id **desc**;

1. **i. How to calculate Average and collect the data from multiple records.  
   ii. Rename the new column (As New column name).**

Note: MYSQL GROUP BY Clause is used to collect data from multiple records and returned record set by one or more columns.

Ans.: **select** column name, **avg**(column name) **from** table name **group by** column name;

Example: i. **select** account\_type, **avg**(balance\_amount) **from** customer\_account

**group by** account\_type;

**ii. select** account\_type, **avg**(balance\_amount) **as** avg\_balance **from** ustomer\_account

**group by** account\_type;

1. **How To calculate Min Max Value.**

Ans. **select** column name, **min**(column name) **as** min\_balance **from** table name **group by** column name;

Example: **select** account\_type, **min**(balance\_amount) **as** min\_balance **from** customer\_account **group by** account\_type;

1. **Calculate Difference Between Max and min**.

Ans.: **select** column1, **max**(column name2) - **min**(column2) **as** new column name **from** table name **group by** Column1;

**Example: select** account\_type, **max**(balance\_amount) - **min**(balance\_amount) **as** range\_amount **from** customer\_account **group by** account\_type;

1. **Write a Query to find out first four letters from last name**

Ans.: **select** LEFT(column name, **4**)**from** Table Name;

**Example: select** LEFT(customer\_name, **4**)**from** customer;

1. **Write a Query to extract info of all the customer their state code is CA.**

Ans. **select** customer\_name, State\_code **from** customer **where** State\_Code ='**CA**';

1. **Write a Query to extract info of all the employees working in HR department and their DOB is of post 1979 (Use Table 1)**

Ans.: **select** EmpFname , DOB **from** table1 **where** Department ='**HR**' **and** DOB <**1997**;

1. **Write a Query to create New Table with the Name New table name with the same** structure as Existing Table.

Ans. **rename** Existing Table **to** New Table name;  
 **select\* from** New Table Name;

**Example.: rename** table table1 **to** table3;  
 **select\* from** table3;

1. **I need only structure not the data.**

Ans.: **truncate table** Table name;

Example.: **truncate table** table3;