

Task

Question 1:- Create Table Name: - Student and Exam

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.2374 seconds.)

```
CREATE TABLE student( id int PRIMARY KEY AUTO_INCREMENT, RollNo int NOT null, Name varchar(50), Branch  
varchar(50) );
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
CREATE TABLE Exam( id int PRIMARY KEY AUTO_INCREMENT, RollNo int NOT null, S_code varchar(50), Marks int NOT  
null, P_code varchar(50) );
```

[Edit inline] [Edit] [Create PHP code]

RollNo	Name	Branch
1	Jay	Computer Science
2	Suhani	Electronic And Com
3	kriti	Electronic And Com

RollNo	S_code	Marks	P_code
1	CS11	50	CS
1	CS12	60	CS
2	EC101	66	EC
2	EC102	70	EC
3	EC101	45	EC
3	EC102	50	EC

Question 2: - Create table given below

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)

```
CREATE TABLE users( id int PRIMARY KEY AUTO_INCREMENT, FirstName varchar(50), LastName varchar(50), Address  
varchar(50), city varchar(50), Age int NOT null );
```

[Edit inline] [Edit] [Create PHP code]

✓ 8 rows inserted.

Inserted row id: 8

```
INSERT INTO `users` (`id`, `FirstName`, `LastName`, `Address`, `city`, `Age`) VALUES (NULL, 'Mickey', 'Mouse', '123,  
Fantasy Way', 'Anaheim', '73'), (NULL, 'Bat', 'Man', '321, Cavern Ave', 'Gotham', '54'), (NULL, 'Wonder', 'Women', '987,  
Truth Way', 'Paradise', '39'), (NULL, 'Donald', 'Duck', '555, Quack Street', 'mallord', '65'), (NULL, 'Bugs', 'Bunny',  
'567, Carrot street', 'Rascal', '58'), (NULL, 'Wiley', 'Coyote', '999, Acme Way', 'Canyon', '61'), (NULL, 'Cat',  
'Waomen', '234 Purrfect Street', 'Hairball', '32'), (NULL, 'Tweety', 'Bird', '543', 'Itotitaw', '28');
```

[Edit inline] [Edit] [Create PHP code]

id	FirstName	LastName	Address	city	Age
1	Mickey	Mouse	123, Fantasy Way	Anaheim	73
2	Bat	Man	321, Cavern Ave	Gotham	54
3	Wonder	Women	987, Truth Way	Paradise	39
4	Donald	Duck	555, Quack Street	mallord	65
5	Bugs	Bunny	567, Carrot street	Rascal	58
6	Wiley	Coyote	999, Acme Way	Canyon	61
7	Cat	Waomen	234 Purrfect Street	Hairball	32
8	Tweety	Bird	543	Itotitaw	28

Question 03:- Create table given below: Employee and Incentive

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0368 seconds.)

```
CREATE TABLE Employee_Log( Employee_id int PRIMARY KEY AUTO_INCREMENT, First_name varchar(50), Last_name varchar(50), salary int NOT null, Joining_date timestamp, Department varchar(50) );
```

[Edit inline] [Edit] [Create PHP code]

✓ 8 rows inserted.
Inserted row id: 8

```
INSERT INTO `employee` (`Employee_id`, `First_name`, `Last_name`, `salary`, `Joining_date`, `Department`) VALUES (NULL, 'John', 'Abraham', '1000000', '2022-12-13 10:14:01', 'Banking'), (NULL, 'Michael', 'Clarke', '800000', '2022-12-13 10:14:01', 'Insurance'), (NULL, 'Roy', 'Thomas', '700000', '2022-12-13 10:14:01', 'Banking'), (NULL, 'Tom', 'Jose', '600000', '2022-12-13 10:14:01', 'Insurance'), (NULL, 'Jerry', 'Pinto', '650000', '2022-12-13 10:14:01', 'Insurance'), (NULL, 'Philip', 'Mathew', '750000', '2022-12-13 10:14:01', 'Services'), (NULL, 'TestName1', '123', '650000', '2022-12-13 10:14:01', 'Services'), (NULL, 'TestName2', 'Lname%', '600000', '2022-12-13 10:14:01', 'Insurance');
```

[Edit inline] [Edit] [Create PHP code]

Employee_id	First_name	Last_name	salary	Joining_date	Department
1	John	Abraham	1000000	2022-12-13 10:14:01	Banking
2	Michael	Clarke	800000	2022-12-13 10:14:01	Insurance
3	Roy	Thomas	700000	2022-12-13 10:14:01	Banking
4	Tom	Jose	600000	2022-12-13 10:14:01	Insurance
5	Jerry	Pinto	650000	2022-12-13 10:14:01	Insurance
6	Philip	Mathew	750000	2022-12-13 10:14:01	Services
7	TestName1	123	650000	2022-12-13 10:14:01	Services
8	TestName2	Lname%	600000	2022-12-13 10:14:01	Insurance

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
CREATE TABLE Incentive( id int PRIMARY KEY AUTO_INCREMENT, employee_ref_id int Not Null, Incentive_date timestamp, Incentive_amount int Not Null );
```

[Edit inline] [Edit] [Create PHP code]

✓ 5 rows inserted.
Inserted row id: 5

```
INSERT INTO `incentive` (`id`, `employee_ref_id`, `Incentive_date`, `Incentive_amount`) VALUES (NULL, '1', '2022-12-13 10:44:00', '5000'), (NULL, '2', '2022-12-13 10:44:00', '3000'), (NULL, '3', '2022-12-13 10:44:00', '4000'), (NULL, '1', '2022-12-13 10:44:00', '4500'), (NULL, '2', '2022-12-13 10:44:00', '3500');
```

[Edit inline] [Edit] [Create PHP code]

employee_ref_id	Incentive_date	Incentive_amount
1	2022-12-13 10:44:00	5000
2	2022-12-13 10:44:00	3000
3	2022-12-13 10:44:00	4000
1	2022-12-13 10:44:00	4500
2	2022-12-13 10:44:00	3500

Q3 -A: - Get First_Name from employee table using Tom name “Employee Name”.

✓ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
SELECT * FROM `employee` WHERE First_name = 'Tom';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	Employee_id	First_name	Last_name	salary	Joining_date	Department
<input type="checkbox"/> Edit Copy Delete	4	Tom	Jose	600000	2022-12-13 10:14:01	Insurance

Q3 -B:- Get FIRST_NAME, Joining Date, and Salary from employee table.

✓ Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
SELECT First_name,Joining_date,salary FROM employee;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

First_name	Joining_date	salary
John	2022-12-13 10:14:01	1000000
Michael	2022-12-13 10:14:01	800000
Roy	2022-12-13 10:14:01	700000
Tom	2022-12-13 10:14:01	600000
Jerry	2022-12-13 10:14:01	650000
Philip	2022-12-13 10:14:01	750000
TestName1	2022-12-13 10:14:01	650000
TestName2	2022-12-13 10:14:01	600000

Q3-C:- Get all employee details from the employee table order by First_Name Ascending and Salary descending?

✓ Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.) [First_name: JERRY... - TOM...]

```
SELECT * FROM employee ORDER BY First_name ASC;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

✓ Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.) [salary: 1000000... - 600000...]

```
SELECT * FROM employee ORDER BY `employee`.`salary` DESC
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

First_name Ascending

Employee_id	First_name
5	Jerry
1	John
2	Michael
6	Philip
3	Roy
7	TestName1
8	TestName2
4	Tom

Salary Descending

Employee_id	First_name	Last_name	salary
1	John	Abraham	1000000
2	Michael	Clarke	800000
6	Philip	Mathew	750000
3	Roy	Thomas	700000
5	Jerry	Pinto	650000
7	TestName1	123	650000
4	Tom	Jose	600000
8	TestName2	Lname%	600000

Q3-D:- Get employee details from employee table whose first name contains 'J'.

✓ Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

```
SELECT * FROM employee WHERE First_name LIKE 'J%';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	Employee_id	First_name	Last_name	salary	Joining_date	Department
<input type="checkbox"/> Edit Copy Delete	1	John	Abraham	1000000	2022-12-13 10:14:01	Banking
<input type="checkbox"/> Edit Copy Delete	5	Jerry	Pinto	650000	2022-12-13 10:14:01	Insurance

Q3-E:- Get department wise maximum salary from employee table order by salary ascending?

✓ Showing rows 0 - 2 (3 total, Query took 0.0006 seconds.)

```
SELECT Department,MAX(salary) FROM employee GROUP BY Department;
```

Department	MAX(salary)
Banking	1000000
Insurance	800000
Services	750000

Q3-F:- Select first_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000

Showing rows 0 - 3 (4 total, Query took 0.0076 seconds.)

```
SELECT First_name, incentive_amount FROM employee A INNER JOIN incentive B ON A.Employee_id=B.employee_ref_id AND incentive_amount>3000;
```

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First_name	incentive_amount
John	5000
Roy	4000
John	4500
Michael	3500

Q3-G:- Create After Insert trigger on Employee table which insert records in view table

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0368 seconds.)

```
CREATE TABLE Employee_Log( Employee_id int PRIMARY KEY AUTO_INCREMENT, First_name varchar(50), Last_name varchar(50), salary int NOT null, Joining_date timestamp, Department varchar(50) );
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

MySQL returned an empty result set (i.e. zero rows). (Query took 0.1634 seconds.)

```
CREATE TRIGGER after_insert AFTER INSERT on employee FOR EACH ROW BEGIN INSERT INTO employee_log(First_name,Last_name,salary,Joining_date,Department)VALUES(new.First_name,new.Last_name,new.salary,new.Joining_date,new.Department); END;
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

Employee Table insert Data

Employee_id	First_name	Last_name	salary	Joining_date	Department
1	John	Abraham	1000000	2022-12-13 10:14:01	Banking
2	Michael	Clarke	800000	2022-12-13 10:14:01	Insurance
3	Roy	Thomas	700000	2022-12-13 10:14:01	Banking
4	Tom	Jose	600000	2022-12-13 10:14:01	Insurance
5	Jerry	Pinto	650000	2022-12-13 10:14:01	Insurance
6	Philip	Mathew	750000	2022-12-13 10:14:01	Services
7	TestName1	123	650000	2022-12-13 10:14:01	Services
8	TestName2	Lname%	600000	2022-12-13 10:14:01	Insurance
11	Akshit	Patel	1000000	2022-12-19 00:54:05	Banking

Employee_log table with Trigger action using After Insert Query

Employee_id	First_name	Last_name	salary	Joining_date	Department
2	Akshit	Patel	1000000	2022-12-19 00:54:05	Banking

Quest 04:- Create table given below: Salesperson and Customer

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.2033 seconds.)

```
CREATE TABLE Salesperson( id INT PRIMARY KEY AUTO_INCREMENT, SNo int NOT Null, SName varchar(50), City  
varchar(50), Comm int NOT Null );
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

✓ 5 rows inserted.
Inserted row id: 5

```
INSERT INTO `salesperson` (`id`, `SNo`, `SName`, `City`, `Comm`) VALUES (NULL, '1001', 'Peel', 'London',  
'0.12'), (NULL, '1002', 'Serres', 'San Jose', '0.13'), (NULL, '1004', 'Motika', 'London', '0.11'), (NULL,  
'1007', 'Rafkin', 'Barcelona', '0.15'), (NULL, '1003', 'Axelrod', 'New York', '0.1');
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

SNo	SName	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1007	Rafkin	Barcelona	0.15
1003	Axelrod	New York	0.1

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

```
CREATE TABLE customer( id int PRIMARY KEY AUTO_INCREMENT, CNM int NOT null, CNAME varchar(50), CITY varchar(50),  
Rating int NOT null, SNo int NOT NULL );
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

✓ 6 rows inserted.
Inserted row id: 6

```
INSERT INTO `customer` (`id`, `CNM`, `CNAME`, `CITY`, `Rating`, `SNo`) VALUES (NULL, '201', 'Hoffman',  
'London', '100', '1001'), (NULL, '202', 'Glovanne', 'Roe', '200', '1003'), (NULL, '203', 'Liu', 'San  
Jose', '300', '1002'), (NULL, '204', 'Grass', 'Barcelona', '100', '1002'), (NULL, '206', 'Clemens',  
'London', '300', '1007'), (NULL, '207', 'Pereira', 'Roe', '100', '1004');
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

CNM	CNAME	CITY	Rating	SNo
201	Hoffman	London	100	1001
202	Glovanne	Roe	200	1003
203	Liu	San Jose	300	1002
204	Grass	Barcelona	100	1002
206	Clemens	London	300	1007
207	Pereira	Roe	100	1004

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
CREATE TABLE Order_table( id int PRIMARY KEY AUTO_INCREMENT, Ono int NOT Null, Amt int NOT null, ODate timestamp, CNM int NOT null, SNo int NOT null );
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

✓ 4 rows inserted.
Inserted row id: 10

```
INSERT INTO `order_table` (`id`, `Ono`, `Amt`, `ODate`, `CNM`, `SNo`) VALUES (NULL, '307', '75.75', '2022-12-19 02:13:24', '204', '1002'), (NULL, '308', '4723.00', '2022-12-19 02:13:24', '206', '1001'), (NULL, '310', '1309.95', '2022-12-19 02:15:11', '204', '1002'), (NULL, '311', '9591.88', '2022-12-19 02:15:11', '206', '1001');
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

id	Ono	Amt	ODate	CNM	SNo
1	301	18.69	2022-12-19 02:12:22	208	1007
2	303	767.19	2022-12-19 02:12:31	201	1001
3	302	1900.1	2022-12-19 02:12:37	207	1004
4	305	5160.45	2022-12-19 02:12:43	203	1002
5	306	1098.16	2022-12-19 02:12:51	208	1007
6	309	1713.23	2022-12-19 02:13:18	202	1003
7	307	75.75	2022-12-19 02:13:24	204	1002
8	308	4723	2022-12-19 02:13:24	206	1001
9	310	1309.95	2022-12-19 02:15:11	204	1002
10	311	9591.88	2022-12-19 02:15:11	206	1001

Q4-A:- All orders for more than \$1000.

✓ Showing rows 0 - 6 (7 total, Query took 0.0056 seconds.)

```
SELECT * FROM order_table where Amt>1000;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#)

Ono	Amt	ODate	CNM	SNo
302	1900.1	2022-12-19 02:12:37	207	1004
305	5160.45	2022-12-19 02:12:43	203	1002
306	1098.16	2022-12-19 02:12:51	208	1007
309	1713.23	2022-12-19 02:13:18	202	1003
308	4723	2022-12-19 02:13:24	206	1001
310	1309.95	2022-12-19 02:15:11	204	1002
311	9591.88	2022-12-19 02:15:11	206	1001

Q4-B:- Names and cities of all salespeople in London with commission above 0.12

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

```
SELECT SName, City FROM salesperson WHERE Comm > 0.12 AND City = 'London';
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

Q4-C:- All salespeople either in Barcelona or in London

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
SELECT SName, City FROM salesperson WHERE City IN ('Barcelona', 'London');
```

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Q4-D:- All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).

✓ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT SName, Comm FROM salesperson WHERE Comm > 0.10 AND Comm < 0.12;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

SName	Comm
Peel	0.12
Motika	0.11
Axelrod	0.1

Q5-E:- All customers excluding those with rating ≤ 100 unless they are located in Rome

✓ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```
SELECT CNAME FROM customer WHERE Rating <= 100 OR CITY = 'Roe';
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

CNAME
Hoffman
Glovanne
Grass
Pereira