

MY SQL DATABASE CREATE

STEP-1

1. Create database **RESTAURANT SYSTEM**

2. Create table

Structure SQL Search Query Export

Run SQL query/queries on database restaurant_system: ?

```
1 CREATE TABLE chef(  
2     chef_id int PRIMARY key,  
3     chef_name varchar (45),  
4     salary float  
5 );
```

pmyadmin/index.php?route=/database/sql&db=restaurant_system

← Server: 127.0.0.1 » Database: restaurant_system
Structure SQL Search Query Export Import

Run SQL query/queries on database restaurant_system: ?

```
1 CREATE TABLE customer(  
2     customer_id int not null PRIMARY KEY ,  
3     customer_name varchar(45),  
4     address varchar(45),  
5     phone int (15),  
6     waiter_id int,  
7     FOREIGN key (waiter_id) REFERENCES waiter(waiter_id)  
8  
9  
10  
11 );
```

Server: 127.0.0.1 » Database: restaurant_system

Structure SQL Search Query Export Import

Run SQL query/queries on database restaurant_system: ?

```
1 CREATE TABLE ingredient(  
2     ingredient_id int not null PRIMARY key,  
3     ingredient_name varchar(45),  
4     description varchar(45),  
5     meal_id int NOT null,  
6     FOREIGN KEY (meal_id) REFERENCES meal(meal_id)|  
7  
8 );
```

Structure SQL Search Query Export Import

Run SQL query/queries on database restaurant_system: ?

```
1 CREATE TABLE meal(  
2     meal_id int not null PRIMARY key,  
3     meal_name varchar(45),  
4     price float,  
5     chef_id int not null,  
6     FOREIGN KEY(chef_id) REFERENCES chef(chef_id)  
7 );
```

Server: 127.0.0.1 » Database: restaurant_system » Table: orders

Browse Structure SQL Search Insert Export Import

Run SQL query/queries on table restaurant_system.orders: ?

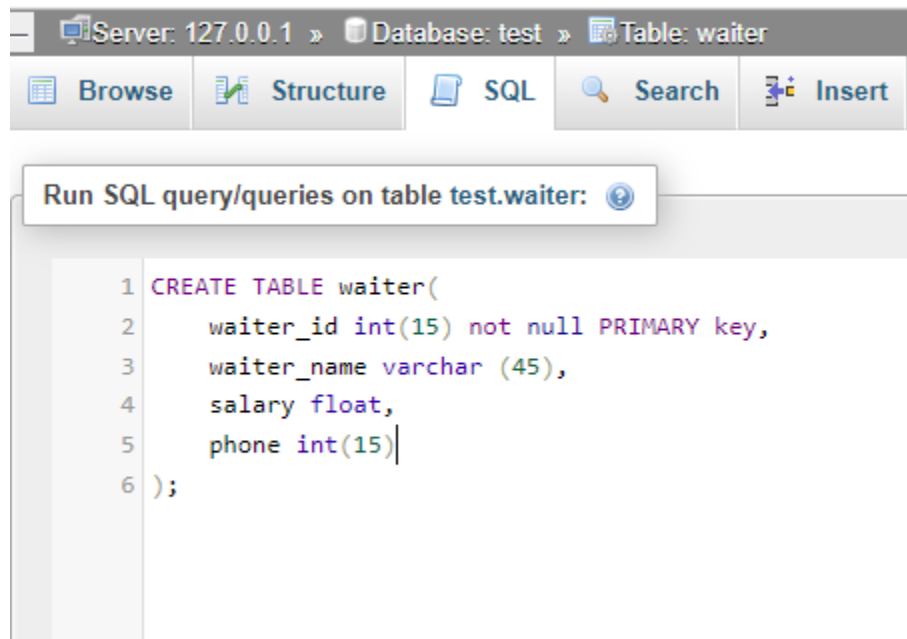
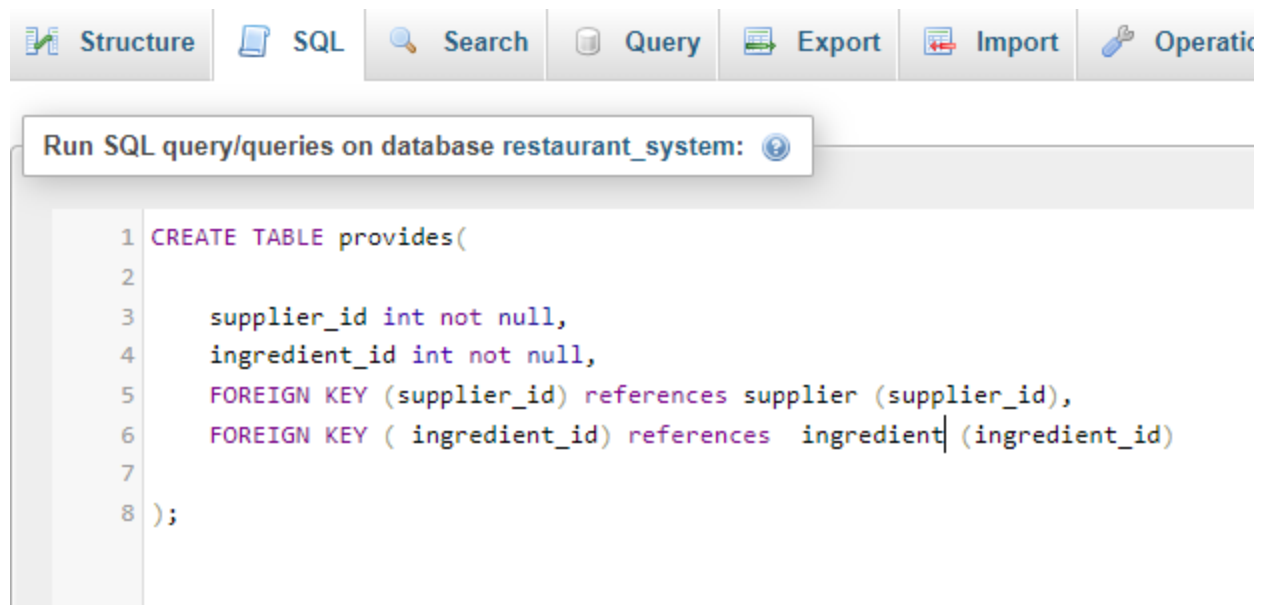
```
1 CREATE TABLE orders(  
2  
3     order_id int(11) not null PRIMARY key,  
4     customer_id int(11) not null,  
5     meal_id int (11) not null,  
6     FOREIGN key(customer_id) REFERENCES customer (customer_id),  
7     FOREIGN key(meal_id) REFERENCES meal(meal_id)  
8  
9 );
```

Server: 127.0.0.1 » Database: restaurant_system

Structure SQL Search Query Export Import

Run SQL query/queries on database restaurant_system: ?

```
1 CREATE TABLE payment(  
2     payment_id int(20) not null PRIMARY key,  
3     customer_id int(11) not null ,  
4     order_id int(11) not null ,  
5     FOREIGN KEY (customer_id) REFERENCES customer(customer_id),  
6     FOREIGN KEY (order_id) REFERENCES orders(customer_id)  
7 );|
```



3. Date insert

I have only one value insert screenshot here. Others I forgot to take more screenshots. now I'm just showing you how to insert a value into a table.

```
INSERT INTO `waiter` (`waiter_id`, `waiter_name`, `salary`, `phone`) VALUES ('43
01445778345');
```

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

Run SQL query/queries on table test.waiter: ?

```
1 INSERT INTO `waiter` (`waiter_id`, `waiter_name`, `salary`, `phone`)
2 VALUES
3 ('43', 'karim', '12000', '01445778345'),
4 ('49', 'hamim', '10000', '01445778345'),
5 ('32', 'karim', '15000', '01738264910'),
6 ('56', 'salim', '13000', '01348582948')
7 ;
```

1. (Q) DATA SHOW ALL DATA SHOW:

Select * from customer,

Server: 127.0.0.1 » Database: restaurant_system									
Structure	SQL	Search	Query	Export	Import	Operations	Privileges	Routines	Events
Filters									
Containing the word: <input type="text"/>									
Table	Action	Rows	Type	Collation	Size	Overhead			
<input type="checkbox"/> chef	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-			
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-			
<input type="checkbox"/> ingredient	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-			
<input type="checkbox"/> meal	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-			
<input type="checkbox"/> orders	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	48.0 KiB	-			
<input type="checkbox"/> payment	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	48.0 KiB	-			
<input type="checkbox"/> provides	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-			
<input type="checkbox"/> supplier	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-			
<input type="checkbox"/> waiter	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-			
9 tables	Sum	26	InnoDB	utf8mb4_general_ci	304.0 KiB	0 B			

Q. FIND customer_ID AND DATE

Ans: select customer_id , order_date from customer

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows:
+ Options		
	order_id	Order_date
<input type="checkbox"/> Edit Copy Delete	22	2022-03-22
<input type="checkbox"/> Edit Copy Delete	23	2022-03-22
<input type="checkbox"/> Edit Copy Delete	31	2022-04-25
<input type="checkbox"/> Edit Copy Delete	52	2022-03-25

**Query-SELECT customer_id from customer
where address='gulshan';**

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows:
+ Options		
	customer_id	address
<input type="checkbox"/> Edit Copy Delete	64	gulshan
<input type="checkbox"/> Check all	With selected:	Edit Copy
<input type="checkbox"/> Show all	Number of rows: 25	Filter rows:

And, or, not operator

**Find customer_Id who lives in Mirpur and whose name
maxwell**

Ans:SELECT customer_id

from customer

WHERE address='mirpur' and customer_name='maxwell';

☐ Show all | Number of rows: 25 ▼

+ Options

	customer_id
<input type="checkbox"/> Edit Copy Delete	48

↑ ☐ Check all With selected: Edit

☐ Show all | Number of rows: 25 ▼

Q. Find student information who doesn't live in dhanmondi

Ans: SELECT customer_id

from customer

WHERE not address ='dhanmondi';

☐ Show all | Number of rows: 25 ▼

+ Options

	customer_id
<input type="checkbox"/> Edit Copy Delete	14
<input type="checkbox"/> Edit Copy Delete	48
<input type="checkbox"/> Edit Copy Delete	64

↑ ☐ Check all With selected: Edit

☐ Show all | Number of rows: 25 ▼

Distinct: unique

Find the addresses from where student come

**Ans:SELECT Distinct address
from customer;**

☐ Show all | Number of rows: 25 | Filter rows:

+ Options

					address		
<input type="checkbox"/>		Edit		Copy		Delete	banani
<input type="checkbox"/>		Edit		Copy		Delete	dhanmondi
<input type="checkbox"/>		Edit		Copy		Delete	mirpur
<input type="checkbox"/>		Edit		Copy		Delete	gulshan

☐ Check all | With selected: Edit Copy

☐ Show all | Number of rows: 25 | Filter rows:

**Find student information where name should be in
descending order**

**Ans: Select customer_name
From customer
Order by customer_name desc;**

☐ Show all | Number of rows: 25 | Filter rows:

+ Options

					customer_name	1	
<input type="checkbox"/>		Edit		Copy		Delete	wanner
<input type="checkbox"/>		Edit		Copy		Delete	morgan
<input type="checkbox"/>		Edit		Copy		Delete	maxwell
<input type="checkbox"/>		Edit		Copy		Delete	holder

☐ Check all | With selected: Edit Copy

☐ Show all | Number of rows: 25 | Filter rows:

Q find the studentid who are present in between 30th March to 31st March, 2022

Ans: select order_id

FROM orders

WHERE order_date BETWEEN '2022-03-22' AND '2022-03-25' ;

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows:
+ Options		
order_id		
<input type="checkbox"/>	Edit Copy Delete	22
<input type="checkbox"/>	Edit Copy Delete	23
<input type="checkbox"/>	Edit Copy Delete	52
<input type="checkbox"/> Check all	With selected: Edit Copy	
<input type="checkbox"/> Show all	Number of rows: 25	Filter rows:

Q. find number of student

**Ans: select count(customer_id)
from customer;**

<input type="checkbox"/> Show all	Number of rows: 25
+ Options	
count(customer_id)	
4	
<input type="checkbox"/> Show all	Number of rows: 25
Query results operations	

Q. Find a summation meal of the price ?

**Ans :- select sum(price)
from meal;**

☐ Show all | Number of rows: 25 ▼

+ Options

sum(price)

770

☐ Show all | Number of rows: 25 ▼













-group by

Q. Find total amount paid by each student

**Ans:-SELECT sum(salary), waiter_id
from waiter
group by waiter_id;**

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

						sum(salary)	waiter_id	
<input type="checkbox"/>		Edit		Copy		Delete	15000	32
<input type="checkbox"/>		Edit		Copy		Delete	12000	45
<input type="checkbox"/>		Edit		Copy		Delete	10000	49
<input type="checkbox"/>		Edit		Copy		Delete	13000	56

