

**Course Name**: **Introduction to Database**

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**Section**: **C**

**Project name**: **BURGER KING MANAGEMENT SYSTEM**

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**INTRODUCTION:**

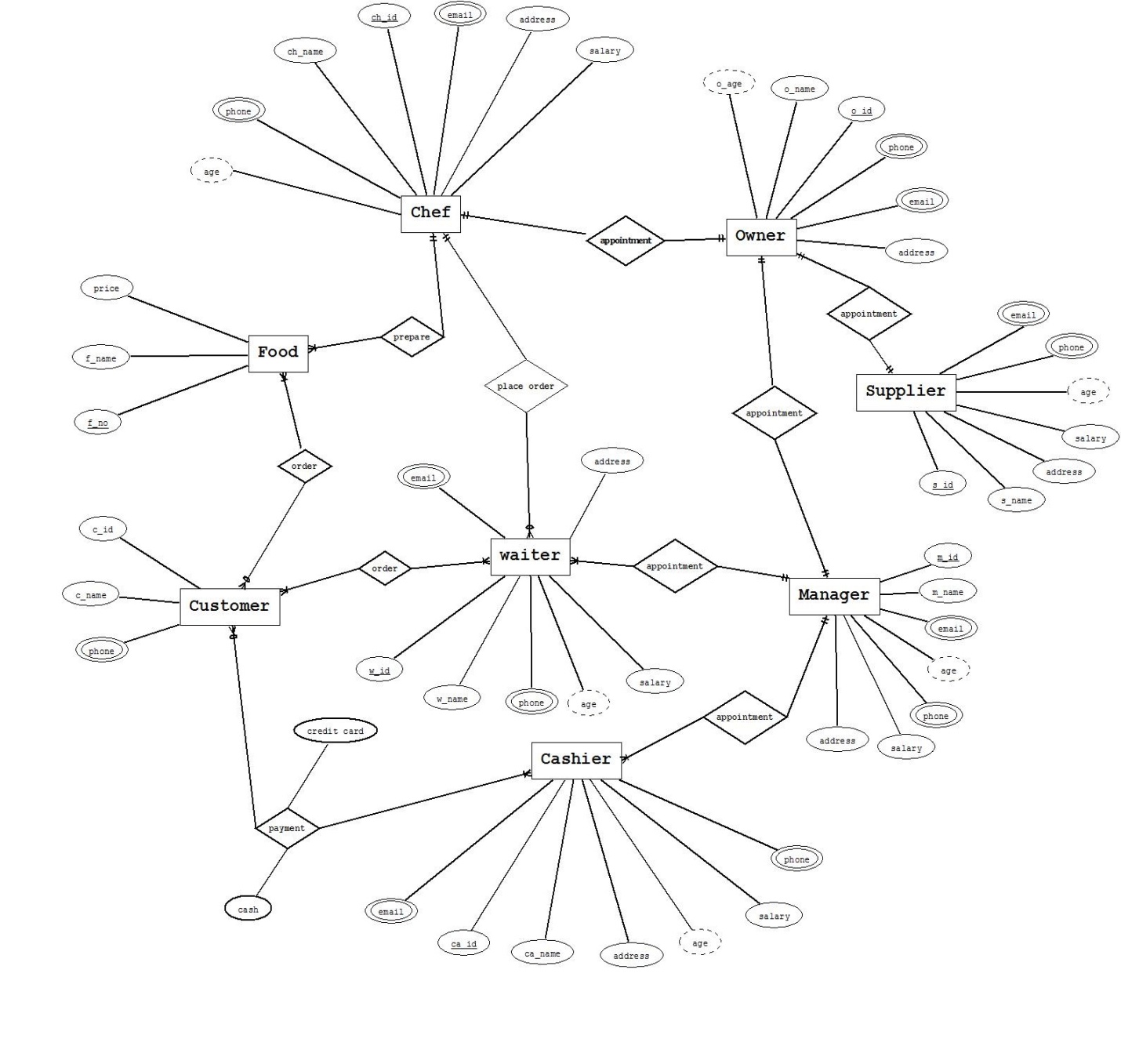
“Burger king” a renowned burger shop where burgers and many types of fast foods are served. The database management system of the shop facilitates both owner to maintain the shop properly and the customers to purchase their desired food items with outstanding manipulation.

The main purpose of this project is to design and develop a database maintaining the records of different food items, suppliers, workers, customers etc. and to implement them in order to ease the access the data.

## CASE STUDY:

“BURGER KING” a renowned burger shop. In that shop there is an owner who*appoints a manager to manage the burger shop and a supplier to supply fresh of**necessary items. Owner also appoints chef. In the DATABASE MANAGEMENT**SYSTEM it will store O-name, O-id, Email, phone, O-age, Address. Manager appoints Waiters and Cashier. Manager, chef, supplier, waiter and cashier is identified by their each name, id, email, phone, age, salary , address. There may be many waiters in the shop and one waiter may attend many customers. The DATABASE MANAGEMENT stores every customers name, id and phone. Customers order food to the waiter and waiter will place their taken order to the chef. One chef prepares many food items but one food item is made by only one chef. Customers can pay on cash or credit cards to the cashier. Every food items has own name, no and price. One customer must order at least one food item. One food maybe ordered by many customers chef who prepared the item can come and asked for the review from the customers****.***

## ER DIAGRAM:



## NORMALIZATIONS:

**Appointment**(m\_id,m\_name,email,age,phone,salary,address,ca\_id,ca\_name,address,email,age,salary,phone)

1NF:phone,email multivalued attribute.

2NF:m\_id,m\_name,email,age,phone,salary,address

ca\_id,ca\_name,address,email,age,salary,phone,m\_id

3NF:No transitive dependency

Table:m\_id,m\_name,email,age,phone,salary,address

ca\_id,ca\_name,address,email,age,salary,phone,m\_id

**Appointment**(ch\_id,ch\_name,phone,email,age,address,salary,o\_id,o\_age,o\_name,phone,email,address)

1NF:phone,email multivalued attribute.

2NF:ch\_id,ch\_name,phone,email,age,address,salary,o\_id

o\_id ,o\_age,o\_name,phone,email,address

3NF:No transitive dependency

Table:ch\_id,ch\_name,phone,email,age,address,salary,o\_id

o\_id,o\_age,o\_name,phone,email,address

**Appointment**(m\_id,m\_name,email,age,phone,salary,address,w\_id,w\_name,phone,age,salary,email,address)

INF:phone,email multivalued attribute.

2NF:m\_id,m\_name,email,age,phone,salary,address

w\_id,w\_name,phone,age,salary,email,address,m\_id

3NF:No transitive dependency

Table: m\_id,m\_name,email,age,phone,salary,address

w\_id,w\_name,phone,age,salary,email,address,m\_id

**Appointment**(o\_id,o\_age,o\_name,phone,email,address,m\_id,m\_name,email,age,phone,salary,address)

1NF:phone,email multivalued attribute.

2NF:o\_id,o\_age,o\_name,phone,email,address

m\_id,m\_name,email,age,phone,salary,address,o\_id

3NF:No transitive dependency

Table:o\_id,o\_age,o\_name,phone,email,address

m\_id,m\_name,email,age,phone,salary,address,o\_id

**Appointment**(o\_id,o\_age,o\_name,phone,email,address,s\_id,s\_name,age,salary,email,phone,address)

1NF:phone, email multivalued attribute.

2NF:o\_id,o\_age,o\_name,phone,email,address,s\_id

s\_id,s\_name,age,salary,email,phone,address

3NF:No transitive dependency

Table: o\_id,o\_age,o\_name,phone,email,address,s\_id

s\_id,s\_name,age,salary,email,phone,address

**Order**(w\_id,w\_name,phone,age,salary,email,address,c\_id,c\_name,phone)

1NF:phone,email multivalued attribute.

2NF:w\_id,w\_name,phone,age,salary,email,address

c\_id,c\_name,phone

wc\_id,w\_id,c\_id

3NF:No transitive dependency

Table:w\_id,w\_name,phone,age,salary,email,address

c\_id,c\_name,phone

wc\_id,w\_id,c\_id

**Placeorder**(w\_id,w\_name,phone,age,salary,email,address,ch\_id,ch\_name,phone,email,age,address,salary)

1NF:phone,email multivalued attribute.

2NF:w\_id,w\_name,phone,age,salary,email,address,ch\_id

ch\_id,ch\_name,phone,email,age,address,salary

3NF:No transitive dependency

Table:w\_id,w\_name,phone,age,salary,email,address,ch\_id

ch\_id,ch\_name,phone,email,age,address,salary

**Order**(f\_no,f\_name,price,c\_id,c\_name,phone)

1NF:phone,email multivalued attribute.

2NF:f\_no,f\_name,price

c\_id,c\_name,phone

fc\_id,f\_no,c\_id

3NF: No transitive dependency

Table:f\_no,f\_name,price

c\_id,c\_name,phone

fc\_id,f\_no,c\_id

**Prepare**(f\_no,f\_name,price,ch\_id,ch\_name,phone,email,age,address,salary)

1NF:phone,email multivalued attribute.

2NF:f\_no,f\_name,price,ch\_id

ch\_id,ch\_name,phone,email,age,address,salary

3NF:No transitive dependency

Table:f\_no,f\_name,price,ch\_id

ch\_id,ch\_name,phone,email,age,address,salary

**Payment**(ca\_id,ca\_name,address,email,age,salary,phone,c\_id,c\_name,phone)

1NF:phone,email multivalued attribute.

2NF:ca\_id,ca\_name,address,email,age,salary,phone

c\_id,c\_name,phone

cac\_id,ca\_id,c\_id

ca\_id,c\_id,credit card,cash

3NF:No transitive dependency

Table:ca\_id,ca\_name,address,email,age,salary,phone

c\_id,c\_name,phone

cac\_id,ca\_id,c\_id

ca\_id,c\_id,credit card,cash

**Total Table:**

1.ch\_id,ch\_name,phone,email,age,address,salary,o\_id

2.o\_id,o\_age,o\_name,phone,email,address

3.o\_id,o\_age,o\_name,phone,email,address,s\_id

4.s\_id,s\_name,age,salary,email,phone,address

5.o\_id,o\_age,o\_name,phone,email,address

6.m\_id,m\_name,email,age,phone,salary,address,o\_id

7.m\_id,m\_name,email,age,phone,salary,address

8.w\_id,w\_name,phone,age,salary,email,address,m\_id

9.m\_id,m\_name,email,age,phone,salary,address

10.ca\_id,ca\_name,address,email,age,salary,phone,m\_id

11.f\_no,f\_name,price,ch\_id

12.ch\_id,ch\_name,phone,email,age,address,salary

13.f\_no,f\_name,price

14.c\_id,c\_name,phone

15.fc\_id,f\_no,c\_id

16.w\_id,w\_name,phone,age,salary,email,address

17.c\_id,c\_name,phone

18.wc\_id,w\_id,c\_id

19.w\_id,w\_name,phone,age,salary,email,address,ch\_id

20.ch\_id,ch\_name,phone,email,age,address,salary

21.ca\_id,ca\_name,address,email,age,salary,phone

22.c\_id,c\_name,phone

23.cac\_id,ca\_id,c\_id

24.ca\_id,c\_id,credit card,cash

**Final table:**

1.ch\_id,ch\_name,phone,email,age,address,salary,o\_id

2.o\_id,o\_age,o\_name,phone,email,address,s\_id

3.s\_id,s\_name,age,salary,email,phone,address

4.m\_id,m\_name,email,age,phone,salary,address,o\_id

5.w\_id,w\_name,phone,age,salary,email,address,m\_id

6.ca\_id,ca\_name,address,email,age,salary,phone,m\_id

7.f\_no,f\_name,price,ch\_id

8.c\_id,c\_name,phone

9.fc\_id,f\_no,c\_id

10.wc\_id,ca\_id,c\_id

11.cac\_id,ca\_id,c\_id

12.w\_id,w\_name,phone,age,salary,address,email,ch\_id

13.ca\_id,c\_id,credit card ,cash

## CONSTRAINTS:

|  |  |  |
| --- | --- | --- |
| Table Name | Column Name | Constraint Name |
| Supplier | S\_id | Primary key |
| Supplier | Salary | Check |
| Supplier | Email | Unique |
| Supplier | Phone | Unique |
| Supplier | Address | Not null |
| Manager | M\_id | Primary key |
| Manager | M-name | Not null |
| Manager | Email | Unique |
| Manager | O\_id | Foreign key |
| Waiter | W\_id | Primary key |
| Waiter | W\_name | Not null |
| Waiter | Phone | Unique |
| Waiter | Age | Check |
| Waiter | Salary | Not null |
| Waiter | Address | Not null |
| Waiter | M-id | Foreign key |
| Chef | Ch\_id | Primary key |
| Chef | Ch\_name | Not null |
| Chef | Phone | Unique |
| Chef | Email | Default |
| Chef | Age | Check |
| Chef | Address | Not null |
| Chef | Salary | Check |
| Chef | O\_id | Foreign key |
| Owner | O-\_d | Primary key |
| Owner | O\_name | Not null |
| Owner | Email | Not null |
| Owner | S\_id | Foreign key |
| Cashier | Ca\_id | Primary key |
| Cashier | Ca\_name | Not null |
| Cashier | Address | Not null |
| Cashier | Age | Check |
| Cashier | Salary | Not null |
| Cashier | Phone | Unique |
| Cashier | M\_id | Foreign key |
| Food | F\_no | Primary key |
| Food | Food name | Not null |
| Food | Price | Check |
| Food | Ch\_id | Foreign key |
| Customer | C\_id | Primary key |
| Customer | C\_name | Not null |
| Customer | phone | Unique |

|  |  |  |
| --- | --- | --- |
| Table Name | Column Name | Constraint name |
| Food\_&\_Customer | fc\_id | Primary key |
| Food\_&\_Customer | f\_no | Foreign key |
| Food\_&\_Customer | c\_id | Foreign key |
| Waiter\_&\_Customer | wc\_id | Primary key |
| Waiter\_&\_Customer | w\_id | Foreign key |
| Waiter\_&\_Customer | c\_id | Foreign key |
| Cashier\_&\_customer | cac\_id | Primary key |
| Cashier\_&\_customer | ca\_id | Foreign key |
| Cashier\_&\_customer | c\_id | Foreign key |
| Waiter2 | w\_id | Primary key |
| Waiter2 | w\_name | Not null |
| Waiter2 | phone | Foreign key |
| Waiter2 | age | Check |
| Waiter2 | salary | Not null |
| Waiter2 | address | Not null |
| Waiter2 | email | Unique |
| Chef | ch\_id | Foreign key |
| System | ca\_id | Foreign key |
| System | c\_id | Foreign key |
| System | credit | Default |
| System | cash | Default |

## TABLE CREATIONS:

1.create table supplier(s\_id number(10) constraint supplier\_s\_id\_pk primary key,s\_name varchar2(10),age number(10),salary number(10),phone number(15) unique,address varchar2(30) not null)

alter table supplier add(email varchar2(30))

2.create table customer(c\_id number(10)constraint customer\_c\_id\_pk primary key,c\_name varchar2 (10) not null,phone number(15) unique)

3.create table owner(o\_id number(10) constraint owner\_o\_id\_pk primary key,o\_name varchar2(10) not null,phone number(15),email varchar2(30) not null, o\_age number(10),address varchar2(30),s\_id number(10) constraint owner\_s\_id\_fk references supplier(s\_id))

4.create table chef(ch\_id number(10) constraint chef\_ch\_id\_pk primary key,ch\_name varchar2(10) not null,phone number(15)unique,email varchar2(30) unique, age number(10) constraint chef\_age\_ck check (age>=18),address varchar2(30) not null,salary number(30) constraint chef\_salary\_ck check (salary>=3000),o\_id number(10) constraint chef\_o\_id\_fk references owner(o\_id))

5.create table manager(m\_id number(10) constraint manager\_m\_id\_pk primary key,m\_name varchar2(10) not null,email varchar2(30) unique,age number(10),phone number(15),salary number(30),address varchar2(30),o\_id number(10) constraint manager\_o\_id\_fk references owner(o\_id))

6.create table waiter1(w\_id number(10)constraint waiter\_w\_id\_pk primary key,w\_name varchar2 (10)not null,phone number(15)unique,age number(10) constraint waiter1\_age\_ck check (age>=18),salary number(30)not null,email varchar2(30),address varchar2(30)not null,m\_id number(10) constraint waiter1\_m\_id\_fk references manager(m\_id))

7.create table food (f\_no number(10) constraint food\_f\_no\_pk primary key,food\_name varchar2(10) not null,price number(30) constraint food\_price\_ck check(price>100),ch\_id number(10) constraint food\_ch\_id\_fk references chef(ch\_id))

alter table food rename column food\_name to f\_name

8.create table food\_and\_customer(fc\_id number(10) constraint food\_and\_customer\_fc\_id\_pk primary key,f\_no number(10) constraint food\_and\_customer\_f\_no\_fk references food(f\_no),c\_id number(10) constraint food\_and\_customer\_c\_id\_fk references customer(c\_id))

9.create table waiter\_and\_customer(wc\_id number(10) constraint waiter\_and\_customer\_wc\_id\_pk primary key,w\_id number(10) constraint waiter\_and\_customer\_w\_id\_fk references waiter1(w\_id),c\_id number(10) constraint waiter\_and\_customer\_c\_id\_fk references customer(c\_id))

10.create table cashier(ca\_id number(10)constraint cashier\_ca\_id\_pk primary key,ca\_name varchar2(10) not null,address varchar2(30) not null,age number(10)constraint cashier\_age\_ck check(age>=18),salary number(30) not null,phone number(15) unique,m\_id number(10) constraint cashier\_m\_id\_fk references manager(m\_id))

alter table cashier add(email varchar2(30))

11.create table cashier\_and\_customer(cac\_id number(10) constraint cashier\_and\_customer\_cac\_id\_pk primary key,ca\_id number(10) constraint cashier\_and\_customer\_ca\_id\_fk references cashier(ca\_id),c\_id number(10) constraint cashier\_and\_customer\_c\_id\_fk references customer(c\_id))

12.create table waiter2(w\_id number(10) constraint waiter2\_w\_id\_pk primary key,w\_name varchar2(10) not null,phone number(15) constraint waiter2\_phone\_fk references waiter1(phone),age number(10) constraint waiter2\_age\_ck check(age<50),salary number(30) not null,address varchar2(30) not null,email varchar2(30) unique,ch\_id number(10) constraint waiter2\_ch\_id\_fk references chef(ch\_id))

13.create table system(ca\_id number(10)constraint system\_ca\_id\_fk references cashier(ca\_id),c\_id number(10) constraint system\_c\_id\_fk references customer(c\_id),credit\_card number(10) default(0), cash number(10) default(0))

## DATA ENTRY:

1.

insert into supplier (s\_name,s\_id,age,phone,email,address,salary) values ('Malek',324,28,1717859301,'malek@gmail.com','h-4 r-3 sec-5 uttara Dhaka',38000)

insert into supplier (s\_name,s\_id,age,phone,email,address,salary) values ('samia',325,25,1724567890,'lek@gmail.com','h-5 r-4 sec-13 uttara Dhaka',30000)

insert into supplier (s\_name,s\_id,age,phone,email,address,salary) values ('prottasha',326,22,1712345678,'ma@gmail.com','h-4 r-2 sec-5 uttara Dhaka',30000)

insert into supplier (s\_name,s\_id,age,phone,email,address,salary) values ('nahar',327,23,1823145671,'nahar@gmail.com','h-5 r-3 sec-5 uttara Dhaka',30000)

insert into supplier (s\_name,s\_id,age,phone,email,address,salary) values ('sristy',328,29,1598765432,'sristy@gmail.com','h-7 r-5 sec-6 uttara Dhaka',40000)

2.

insert into customer(c\_name,c\_id,phone) values ('puja',777,01812345678)

insert into customer(c\_name,c\_id,phone) values ('songita',787,01912345678)

insert into customer(c\_name,c\_id,phone) values ('oyshee',797,01712345678)

insert into customer(c\_name,c\_id,phone) values ('nuznin',776,01612345678)

insert into customer(c\_name,c\_id,phone) values ('shuvo',775,01812385678)

3.

insert into owner (o\_name,o\_id,o\_age,phone,email,address,s\_id) values ('sristy',128,35,01776543210,'dl@gmail.com','h-9 a block gulshan dhaka',328)

insert into owner (o\_name,o\_id,o\_age,phone,email,address,s\_id) values ('putul',123,33,01976543210,'ml@gmail.com','h-8 a block gulshan dhaka',327)

insert into owner (o\_name,o\_id,o\_age,phone,email,address,s\_id) values ('samia',124,33,01976543210,'kl@gmail.com','h-5 a block gulshan dhaka',324)

insert into owner (o\_name,o\_id,o\_age,phone,email,address,s\_id) values ('prottasha',126,33,01976543210,'gl@gmail.com','h-4 a block gulshan dhaka',326)

insert into owner (o\_name,o\_id,o\_age,phone,email,address,s\_id) values ('king',125,33,01976543210,'pl@gmail.com','h-3 a block gulshan dhaka',325)

4.

insert into chef (ch\_name,ch\_id,age,phone,email,address,salary,o\_id) values ('Rahim',126,32,01845685678,'a@gmail.com','h-4 a block banani dhaka',19000,128)

insert into chef (ch\_name,ch\_id,age,phone,email,address,salary,o\_id) values ('devi',129,35,01869765890,'ra@gmail.com','h-6 a block banani dhaka',19000,123)

insert into chef (ch\_name,ch\_id,age,phone,email,address,salary,o\_id) values ('nujhat',125,28,01709876543,'ral@gmail.com','h-7 a block banani dhaka',16000,124)

insert into chef (ch\_name,ch\_id,age,phone,email,address,salary,o\_id) values ('rabbani',124,29,01834576543,'raj@gmail.com','h-8 a block banani dhaka',15000,126)

insert into chef (ch\_name,ch\_id,age,phone,email,address,salary,o\_id) values ('rumana',145,30,01834876543,'pi@gmail.com','h-20 a block banani dhaka',19060,125)

5.

insert into manager (m\_name,m\_id,age,phone,email,address,salary,o\_id) values ('Lex',411,27,01723456785,'lex@gmail.com','h-20 a block gulshan dhaka',35000,126)

insert into manager (m\_name,m\_id,age,phone,email,address,salary,o\_id) values ('apon',412,28,01823456785,'apon@gmail.com','h-30 a block gulshan dhaka',36000,124)

insert into manager (m\_name,m\_id,age,phone,email,address,salary,o\_id) values ('nenna',413,29,01923456785,'nenna@gmail.com','h-40 a block gulshan dhaka',37000,123)

insert into manager (m\_name,m\_id,age,phone,email,address,salary,o\_id) values ('rehal',414,28,01523456785,'rehal@gmail.com','h-50 a block gulshan dhaka',38000,125)

insert into manager (m\_name,m\_id,age,phone,email,address,salary,o\_id) values ('kumudini',415,26,01623456785,'kumudini@gmail.com','h-60 a block gulshan dhaka',39000,128)

6.

insert into waiter1(w\_name,w\_id,age,phone,email,address,salary,m\_id) values ('tisha',151,22,01634268608,'khan@gmail.com','b block dhanmondi Dhaka',15000,412)

insert into waiter1(w\_name,w\_id,age,phone,email,address,salary,m\_id) values ('mohin',152,23,01834268608,'chowdhory@gmail.com','c block dhanmondi Dhaka',16000,413)

insert into waiter1(w\_name,w\_id,age,phone,email,address,salary,m\_id) values ('shamima',153,24,01734268608,'akter@gmail.com','d block dhanmondi Dhaka',14000,414)

insert into waiter1(w\_name,w\_id,age,phone,email,address,salary,m\_id) values ('bishshash',154,25,01934268608,'khondoker@gmail.com','a block dhanmondi Dhaka',17000,415)

insert into waiter1(w\_name,w\_id,age,phone,email,address,salary,m\_id) values ('shima',155,26,01534268608,'box@gmail.com','m block dhanmondi Dhaka',13000,411)

7.

insert into food(f\_no,f\_name,price,ch\_id) values (01,'Burger',250,124)

insert into food(f\_no,f\_name,price,ch\_id) values (02,'Pizza',500,125)

insert into food(f\_no,f\_name,price,ch\_id) values (03,'sandwich',110,129)

insert into food(f\_no,f\_name,price,ch\_id) values (04,'pasta',220,127)

insert into food(f\_no,f\_name,price,ch\_id) values (05,'cake',1200,126)

8.

insert into cashier(ca\_name,ca\_id,age,phone,email,address,salary,m\_id) values ('Risha',523,22,01635672819,'risha@gmail.com','h-3 r-5 sec-19 uttara Dhaka',20000,411)

insert into cashier(ca\_name,ca\_id,age,phone,email,address,salary,m\_id) values ('shithil',524,32,01575672819,'shithil@gmail.com','h-4 r-12 sec-12 uttara Dhaka',21000,415)

insert into cashier(ca\_name,ca\_id,age,phone,email,address,salary,m\_id) values ('shaija',525,26,01815672819,'shaija@gmail.com','h-2 r-4 sec-11 uttara Dhaka',22000,414)

insert into cashier(ca\_name,ca\_id,age,phone,email,address,salary,m\_id) values ('hashi',526,31,01935672819,'hashi@gmail.com','h-7 r-18 sec-16 uttara Dhaka',23000,413)

insert into cashier(ca\_name,ca\_id,age,phone,email,address,salary,m\_id) values ('amin',527,25,01735672819,'amin@gmail.com','h-8 r-2 sec-11 uttara Dhaka',24000,412)

9.

insert into food\_and\_customer(fc\_id,f\_no,c\_id) values (1777,1,777)

insert into food\_and\_customer(fc\_id,f\_no,c\_id) values (2787,2,787)

insert into food\_and\_customer(fc\_id,f\_no,c\_id) values (3797,3,797)

insert into food\_and\_customer(fc\_id,f\_no,c\_id) values (4776,4,776)

insert into food\_and\_customer(fc\_id,f\_no,c\_id) values (5775,5,775)

10.

insert into system(ca\_id,c\_id,credit\_card,cash) values(523,777,1,0)

insert into system(ca\_id,c\_id,credit\_card,cash) values(524,787,0,1)

insert into system(ca\_id,c\_id,credit\_card,cash) values(525,797,0,1)

insert into system(ca\_id,c\_id,credit\_card,cash) values(526,776,1,0)

insert into system(ca\_id,c\_id,credit\_card,cash) values(527,775,1,0)

11.

insert into cashier\_and\_customer(cac\_id,ca\_id,c\_id) values (37,523,777)

insert into cashier\_and\_customer(cac\_id,ca\_id,c\_id) values (47,524,787)

insert into cashier\_and\_customer(cac\_id,ca\_id,c\_id) values (57,525,797)

insert into cashier\_and\_customer(cac\_id,ca\_id,c\_id) values (66,526,776)

insert into cashier\_and\_customer(cac\_id,ca\_id,c\_id) values (75,527,775)

12.

insert into waiter2(w\_name,w\_id,age,phone,email,address,salary,ch\_id) values ('tisha',151,22,1634268608,'khan@gmail.com','b block Dhanmondi Dhaka',15000,124)

insert into waiter2(w\_name,w\_id,age,phone,email,address,salary,ch\_id) values ('mohin',152,23,1834268608,'chowdhory@gmail.com','c block Dhanmondi Dhaka',16000,125)

insert into waiter2(w\_name,w\_id,age,phone,email,address,salary,ch\_id) values ('shamima',153,24,1734268608,'akter@gmail.com','d block Dhanmondi Dhaka',14000,129)

insert into waiter2(w\_name,w\_id,age,phone,email,address,salary,ch\_id) values ('bishshash',154,25,1934268608,'khondoker@gmail.com','a block Dhanmondi Dhaka',17000,127)

insert into waiter2(w\_name,w\_id,age,phone,email,address,salary,ch\_id) values ('shima',155,26,1534268608,'box@gmail.com','m block Dhanmondi Dhaka',13000,126)

13.

insert into waiter\_and\_customer (wc\_id,w\_id,c\_id) values (221,151,777)

insert into waiter\_and\_customer (wc\_id,w\_id,c\_id) values (222,152,787)

insert into waiter\_and\_customer (wc\_id,w\_id,c\_id) values (223,153,797)

insert into waiter\_and\_customer (wc\_id,w\_id,c\_id) values (224,154,776)

insert into waiter\_and\_customer (wc\_id,w\_id,c\_id) values (225,155,775)

## QUERY WRITING:

## SUB QUERY:

1.select s\_name,salary from supplier where salary<(select salary from supplier where s\_name='Malek')

2.select ca\_name from cashier where age=(select age from supplier where s\_name='prottasha')and salary<(select salary from supplier where s\_name='prottasha')

3.select f\_name from food where price>(select min(price) from food)

## JOIN QUERY:

1.select owner.o\_name,owner.o\_id,supplier.s\_name,supplier.s\_id,supplier.age as s\_age,supplier.salary as s\_salary from owner,supplier where owner.s\_id=supplier.s\_id

2.select cashier.ca\_name, cashier.ca\_id, cashier.m \_id, cashier.age, manager.salary, manager.m\_name

3.select waiter1.w\_id,waiter1.w\_name,waiter1.phone,waiter1.age,waiter1.salary,waiter1.email

,waiter1.address,waiter1.m\_id,waiter2.ch\_id from waiter1,waiter2 where waiter1.w\_id=waiter2.w\_id

**GROUP FUNCTION:**

## select s\_name,salary from supplier where salary=(select max(salary) from supplier where salary<(select max(salary) from supplier))

## 2. select f\_name,price from food where price>(select avg(price) from food)

## 3. select avg(salary) from chef

## SINGLE ROW FUNCTIONS:

## select upper(ca\_name),salary,age from cashier where ca\_name='shithil'

## CONCLUSION:

The database management system of the burger shop “BURGER KING” is designed for the easy supervision of the burger shop. The database management system increases the flexibility of the uses. From this system, authority can easily check or manipulate any type of data with real peed. Paper work and manual work is reduced. The main purpose of the database system is to computerize the process of accessing the data and sorting data as well as reduced time consumption.

## THANK YOU