**All queries**

**Table creation:**

1. create table Customer(

customer\_id number(20),

customer\_name varchar2(25),

table\_number number(20),

ordered\_food varchar2(25),

item\_id number(20))

1. create table Item(

item\_id number(20),

item\_name varchar2(25),

price number(20),

cuisine varchar2(25))

1. create table C\_phone(

customer\_id number(20),

phone\_number varchar2(25))

1. create table Cost(

cost\_id number(20),

total\_cost number(20),

price number(20))

1. create table C\_receipt(

cr\_id number(20),

customer\_id number(20),

receipt\_number number(20))

1. create table Order\_info(

order\_id number(20),

cooking\_time varchar2(25),

price number(20))

1. create table Food(

food\_id number(20),

customer\_id number(20),

order\_id number(20))

1. create table Cashier(

cashier\_id number(20),

cashier\_name varchar2(25),

salary number(20),

working\_hour varchar2(25))

1. create table Receipt(

receipt\_number number(20),

food\_quantity varchar2(25),

cashier\_id number(20),

cost\_id number(20))

1. create table W\_order(

ow\_id number(20),

order\_id number(20),

waiter\_id number(20))

1. create table Ch\_order(

oc\_id number(20),

order\_id number(20),

chef\_id number(20))

1. create table Manager(

manager\_id number(20),

manager\_name varchar2(25),

salary number(20))

1. create table M\_phone(

manager\_id number(20),

phone\_number varchar2(25))

1. create table Waiter(

waiter\_id number(20),

waiter\_name varchar2(25),

salary number(20),

working\_hour varchar2(25),

manager\_id number(20))

1. create table Chef(

chef\_id number(20),

chef\_name varchar2(25),

salary number(20),

working\_hour varchar2(25),

joining\_date date,

manager\_id number(20))

1. create table C\_waiter(

wc\_id number(20),

customer\_id number(20),

waiter\_id number(20))

**Setting primary keys:**

1. Alter table Customer add constraint primary1 primary key(customer\_id)
2. Alter table Item add constraint primary2 primary key(item\_id)
3. Alter table C\_phone add constraint primary3 primary key(customer\_id,phone\_number)
4. Alter table Cost add constraint primary4 primary key(cost\_id)
5. Alter table C\_receipt add constraint primary5 primary key(cr\_id)
6. Alter table Order\_info add constraint primary6 primary key(order\_id)
7. Alter table Food add constraint primary7 primary key(food\_id)
8. Alter table Cashier add constraint primary8 primary key(cashier\_id)
9. Alter table Receipt add constraint primary9 primary key(receipt\_number)
10. Alter table W\_order add constraint primary10 primary key(ow\_id)
11. Alter table Ch\_order add constraint primary11 primary key(oc\_id)
12. Alter table Manager add constraint primary12 primary key(manager\_id)
13. Alter table M\_phone add constraint primary13 primary key(manager\_id,phone\_number)
14. Alter table Waiter add constraint primary14 primary key(waiter\_id)
15. Alter table Chef add constraint primary15 primary key(chef\_id)
16. Alter table C\_waiter add constraint primary16 primary key(wc\_id)

**Setting foreign keys:**

1. Alter table Customer add constraint foreign1 foreign key(item\_id) references Item(item\_id)
2. Alter table C\_receipt add constraint foreign2 foreign key(customer\_id) references Customer(customer\_id)
3. Alter table C\_receipt add constraint foreign3 foreign key(receipt\_number) references receipt(receipt\_number)
4. Alter table Food add constraint foreign4 foreign key(customer\_id) references Customer(customer\_id)
5. Alter table Food add constraint foreign5 foreign key(order\_id) references Order\_info(order\_id)
6. Alter table Receipt add constraint foreign6 foreign key(cashier\_id) references Cashier(cashier\_id)
7. Alter table Receipt add constraint foreign7 foreign key(cost\_id) references Cost(cost\_id)
8. Alter table W\_order add constraint foreign8 foreign key(order\_id) references Order\_info(order\_id)
9. Alter table W\_order add constraint foreign9 foreign key(waiter\_id) references Waiter(waiter\_id)
10. Alter table Ch\_order add constraint foreign10 foreign key(order\_id) references Order\_info(order\_id)
11. Alter table Ch\_order add constraint foreign11 foreign key(chef\_id) references Chef(chef\_id)
12. Alter table Waiter add constraint foreign12 foreign key(manager\_id) references Manager(manager\_id)
13. Alter table Chef add constraint foreign13 foreign key(manager\_id) references Manager(manager\_id)
14. Alter table C\_waiter add constraint foreign14 foreign key(customer\_id) references Customer(customer\_id)
15. Alter table C\_waiter add constraint foreign15 foreign key(waiter\_id) references Waiter(waiter\_id)

**Setting additional constraints:**

* **Unique:**

alter table Item add constraint uni\_item unique(item\_name)

* **Not null:**

1. alter table Item modify(price not null)
2. alter table Cashier modify(cashier\_name not null)
3. alter table Manager modify(manager\_name not null)
4. alter table Waiter modify(waiter\_name not null)
5. alter table Chef modify(chef\_name not null)

**Inserting values:**

1. **Item:**

insert into Item values(01,'Pizza',350,'Italian')

insert into Item values(02,'Burger',250,'American')

insert into Item values(03,'Pasta',450,'Mexican')

insert into Item values(04,'Drinks',50,'BD Pran Company')

1. **Customer:**

insert into Customer values(101,'Anik',10,'Pizza',01)

insert into Customer values(102,'Tonmoy',12,'Burger',02)

insert into Customer values(103,'Nafiz',10,'Pizza',01)

insert into Customer values(104,'Ayesha',12,'Pasta',03)

1. **C\_phone:**

insert into C\_phone values(101,'01958475236')

insert into C\_phone values(102,'01718895189')

insert into C\_phone values(103,'01995452645')

insert into C\_phone values(104,'01995451854')

1. **Cost:**

insert into Cost values(111,1300,450)

insert into Cost values(222,2000,350)

insert into Cost values(333,1500,450)

insert into Cost values(444,1200,250)

1. **Cashier:**

insert into Cashier values(101,'Kumar',3000,'10 hours per week')

insert into Cashier values(102,'Choyon',3500,'13 hours per week')

1. **Receipt:**

insert into receipt values(1122,'1 plate',101,111)

insert into receipt values(1133,'12 inches',102,222)

insert into receipt values(1144,'2 plates',102,333)

insert into receipt values(1155,'2 burgers',101,444)

1. **C\_receipt:**

insert into C\_receipt values(10,104,1122)

insert into C\_receipt values(20,101,1133)

insert into C\_receipt values(30,103,1144)

insert into C\_receipt values(40,102,1155)

1. **Order\_info:**

insert into Order\_info values(1011,'15 mins',350)

insert into Order\_info values(1022,'10 mins',250)

insert into Order\_info values(1033,'20 mins',450)

insert into Order\_info values(1044,'15 mins',350)

1. **Food:**

insert into Food values(15,101,1011)

insert into Food values(25,102,1022)

insert into Food values(35,103,1044)

insert into Food values(45,104,1033)

1. **Manager:**

insert into Manager values(1010,'Thor',50000)

1. **M\_phone:**

insert into M\_phone values(1010,'01945896314')

insert into M\_phone values(1010,'01745816459')

1. **Waiter:**

insert into Waiter values(11,'Saha',3000,'10 hours per week',1010)

insert into Waiter values(22,'Akhter',2000,'6 hours per week',1010)

insert into Waiter values(33,'Ahmed',2800,'5 hours per week',1010)

insert into Waiter values(44,'Raiyan',3500,'12 hours per week',1010)

1. **W\_order:**

insert into W\_order values(1,1011,11)

insert into W\_order values(2,1022,22)

insert into W\_order values(3,1033,33)

insert into W\_order values(4,1044,44)

1. **Chef:**

insert into Chef values(50,'Tony',15000,'25 hours per week','17-DEC-18',1010)

insert into Chef values(55,'Stark',15000,'25 hours per week','1-JAN-19',1010)

1. **Ch\_order:**

insert into Ch\_order values(110,1011,50)

insert into Ch\_order values(220,1022,55)

insert into Ch\_order values(330,1033,55)

insert into Ch\_order values(440,1044,50)

1. **C\_waiter:**

insert into C\_waiter values(420,101,11)

insert into C\_waiter values(520,102,22)

insert into C\_waiter values(620,103,33)

insert into C\_waiter values(720,104,44)