**Questions & Answers**

**Join**

1. **Write a query to display which customer ordered what from Customer table along with item price and cuisine from Item table in ascending order based on food's prices.**

select customer\_name, ordered\_food, price, cuisine

from Customer, Item

where Customer.item\_id = Item.item\_id

order by price asc

1. **Write a query to display receipt number, food quantity from Receipt table and total cost from Cost table.**

select receipt\_number, food\_quantity, total\_cost

from receipt, Cost

where Receipt.cost\_id = Cost.cost\_id

1. **Write a query to display manager’s name from Manager table and phone number from M\_phone table where phone number is not Banglalink.**

select manager\_name, phone\_number

from Manager, M\_phone

where phone\_number not like '\_\_9%' and M\_phone.manager\_id = Manager.manager\_id

**Single row sub-query**

1. **Write a query to display all the waiters’ information from Waiter table whose salary is less than the second highest salary holder.**

select\*

from Waiter

where salary < (select max(salary)

from Waiter

where salary < (select max(salary)

from Waiter))

1. **Write a query to display the cashier's information from Cashier table whose salary is higher than the cashier who has 'a' in the 4rth position of their names.**

select\*

from Cashier

where salary > (select salary

from Cashier

where cashier\_name like '\_\_\_a%')

**Multiple row sub-query and Join**

1. **Write a query to display customer's name, ordered food from Customer table and ordered food's price from Item table whose ordered food's price is equal to the price of those customers ordered food who have 'a' in their names.**

select customer\_name, ordered\_food, price

from Customer, Item

where price in (select price

from Customer, Item

where lower(customer\_name) like '%a%' and Customer.item\_id = Item.item\_id)

and

Customer.item\_id = Item.item\_id

**View and Join**

1. **Create a view table to show all the customer's name from Customer table and phone number from C\_phone table who at least ate something.**

create view Customer\_info as

select customer\_name, phone\_number

from Customer, C\_phone

where ordered\_food is not null and C\_phone.customer\_id = Customer.customer\_id

desc Customer\_info

select\*

from Customer\_info

1. **Create a view table to show manager's name from Manager table and phone number from M\_phone table and then modify the table to set it as read only mode.**

create view Manager\_info as

select manager\_name, phone\_number

from Manager, M\_phone

where M\_phone.manager\_id = Manager.manager\_id

create or replace view Manager\_info as

select manager\_name, phone\_number

from Manager, M\_phone

where M\_phone.manager\_id = Manager.manager\_id

with read only

desc Manager\_info

select\*

from Manager\_info

**Date functions**

1. **Write a query to display chef name, salary, working hour, joining date, total months of working, date after adding 5 months with joining date, date of next Friday from joining date, last date of joining month from Chef table whose working experience in this restaurant is more than 20 months.**

select chef\_name, salary, working\_hour, joining\_date, round(months\_between(sysdate,joining\_date),2), add\_months(joining\_date,5), next\_day(joining\_date,'FRIDAY'), last\_day(joining\_date)

from Chef

where (sysdate-joining\_date)/30 > 20

**Group functions**

1. **Write a query to display maximum salary, minimum salary, average salary and summation of salaries of those waiters who don't have 'd' in their names from Waiter table.**

select max(salary), min(salary), round(avg(salary),2), sum(salary)

from Waiter

where waiter\_name not like '%d%'