Group No:- 17
Mukund Ladani(202003039)
Kashyap Halavadia(202003040)
Lab8(15/10/2021)
Restaurant-Franchise Management System

SQL DML:-

set search_path to RestaurantFranchisee;

Insert into branch
values(111111,4,'Motikhavdi',340245,'Jamnagar','Saurashtra'),(111112,3,'Madhapar',340248,'Bhuj','Kutch'),
(111113,5,'Zanzarda Road',340246,'Junagadh','Saurashtra'),(111114,5,'Iscon Temple',340200,'Ahmedabad','Central Guj');
Insert into branch values(111115,4,'Dumas',340280,'Surat','South Guj');

Insert into dish values('Aloo Tikki Burger',65,'V','Classic Indian Burger',null,null,false);
Insert into dish values('French Fries',50,'V','Made with crispy Indian Potato',null,null,false);
Insert into dish values('Iced Coffee',40,'V','Cold Coffee with classic flavour',null,null,false);
Insert into dish values('Egg Burger',90,'N','Made with fresh eggs',null,null,false);
Insert into dish values('Chicken Sandwich',150,'N','Made with delicious chicken',null,null,false);
Insert into dish values('Apple Slices',40,'V','Juicy Apple Slices',null,null,false);
Insert into dish values('Mango Pineapple Smoothie',120,'V','Made with Kesar Mango','Made from seasonal Kesar mangoes','Saurashtra',true);
Insert into dish values('Kutchi Dabeli',90,'V','Spicy and crispy ','Has the taste of special Kutchi chutni','Kutch',true);

```sql
Insert into dish values('Surti Locho',50,'V','Steamed Gujrati Farsan','Made from Gram flour','Surat',true);
Insert into dish values('Maska Bun',70,'V','Burn served with fruit and jam',NULL,NULL,false);
Insert into dish values('Fruit Ice cream',90,'V','Made from Mixed real fruits','Natural fruit ice-cream','Central Guj',true);
update dish set region='South Guj' where dish_name='Surti Locho';
Insert into dish values('Veg Cheese Sandwich',80,'V','Perfect for a heavy lunch',NULL,NULL,false);
Insert into dish values('Veg Cheese Pizza',100,'V','A perfect food as it contains veggies',NULL,NULL,false);
Insert into dish values('Dragon Potato',50,'V','Crunch and spicy potatoes',NULL,NULL,false);
Insert into dish values('Garlic Bread',70,'V','Roasted bread with Garlic layer',NULL,NULL,false);
Insert into dish values('Stuff Garlic Bread',70,'V','Garlic bread stuffed with cheese',NULL,NULL,false);
Insert into dish values('Paneer Tandori pizza',140,'V','Pizza loaded with spicy paneer',NULL,NULL,false);
Insert into dish values('Dry fruit kachori',100,'V','Crispy and filled with stuff','Dry-fruit stuffing is filled','Saurashtra',true);
Insert into dish values('Matka Kulfi',80,'V','Traditional ice-cream','Traditional recipe made in matka','Kutch',true);
```

```sql
Insert into branch_serving values(111111,'Aloo Tikki Burger');
Insert into branch_serving values(111112,'Aloo Tikki Burger');
Insert into branch_serving values(111113,'Aloo Tikki Burger');
Insert into branch_serving values(111114,'Aloo Tikki Burger');
Insert into branch_serving values(111115,'Aloo Tikki Burger');
Insert into branch_serving values(111111,'French Fries');
Insert into branch_serving values(111112,'French Fries');
Insert into branch_serving values(111113,'French Fries');
Insert into branch_serving values(111114,'French Fries');
```

```sql
Insert into branch_serving values(111115,'French Fries');
Insert into branch_serving values(111111,'Iced Coffee');
Insert into branch_serving values(111112,'Iced Coffee');
Insert into branch_serving values(111113,'Iced Coffee');
Insert into branch_serving values(111114,'Iced Coffee');
Insert into branch_serving values(111115,'Iced Coffee');
Insert into branch_serving values(111111,'Egg Burger');
Insert into branch_serving values(111112,'Egg Burger');
Insert into branch_serving values(111113,'Egg Burger');
Insert into branch_serving values(111114,'Egg Burger');
Insert into branch_serving values(111115,'Egg Burger');
Insert into branch_serving values(111111,'Maska Bun');
Insert into branch_serving values(111112,'Maska Bun');
Insert into branch_serving values(111113,'Maska Bun');
Insert into branch_serving values(111114,'Maska Bun');
Insert into branch_serving values(111115,'Maska Bun');
Insert into branch_serving values(111114,'Fruit Ice cream');
Insert into branch_serving values(111112,'Kutchi Dabeli');
Insert into branch_serving values(111113,'Kutchi Dabeli');
Insert into branch_serving values(111115,'Surti Locho');
Insert into branch_serving values(111111,'Veg Cheese Sandwich');
Insert into branch_serving values(111112,'Veg Cheese Sandwich');
Insert into branch_serving values(111113,'Veg Cheese Sandwich');
Insert into branch_serving values(111114,'Veg Cheese Sandwich');
Insert into branch_serving values(111115,'Veg Cheese Sandwich');
Insert into branch_serving values(111111,'Veg Cheese Pizza');
Insert into branch_serving values(111112,'Veg Cheese Pizza');
Insert into branch_serving values(111113,'Veg Cheese Pizza');
Insert into branch_serving values(111114,'Veg Cheese Pizza');
Insert into branch_serving values(111115,'Veg Cheese Pizza');
Insert into branch_serving values(111111,'Garlic Bread');
Insert into branch_serving values(111112,'Garlic Bread');
Insert into branch_serving values(111113,'Garlic Bread');
Insert into branch_serving values(111114,'Garlic Bread');
Insert into branch_serving values(111115,'Garlic Bread');
```

```sql
Insert into branch_serving values(111111,'Dragon Potato');
Insert into branch_serving values(111112,'Dragon Potato');
Insert into branch_serving values(111113,'Dragon Potato');
Insert into branch_serving values(111114,'Dragon Potato');
Insert into branch_serving values(111115,'Dragon Potato');
Insert into branch_serving values(111111,'Stuff Garlic Bread');
Insert into branch_serving values(111112,'Stuff Garlic Bread');
Insert into branch_serving values(111113,'Stuff Garlic Bread');
Insert into branch_serving values(111114,'Stuff Garlic Bread');
Insert into branch_serving values(111115,'Stuff Garlic Bread');

Insert into branch_serving values(111111,'Paneer Tandori pizza');
Insert into branch_serving values(111112,'Paneer Tandori pizza');
Insert into branch_serving values(111113,'Paneer Tandori pizza');
Insert into branch_serving values(111114,'Paneer Tandori pizza');
Insert into branch_serving values(111115,'Paneer Tandori pizza');

Insert into branch_serving values(111111,'Dry fruit kachori');
Insert into branch_serving values(111113,'Dry fruit kachori');
Insert into branch_serving values(111112,'Matka Kulfi');
Insert into branch_serving values(111111,'Mango Pineapple Smoothie');
Insert into branch_serving values(111113,'Mango Pineapple Smoothie');
```

```sql
INSERT INTO employee(EID,
branch_license_no,
first_name,
middle_name,
last_name,
gender,
monthly_salary,
contact_no,
Aadhar_no,
City,
```

Locality,
PIN_code,
Job_position,
Joining_date,
company_employee,
Work_status,
overall_performance,
promotion_eligibilty) values
(1000000027,'111114','Ragini','K.','Chauhan','F',10000,8202718420,762598186501,'Ahmedabad','Maninagar',340200,'waiteress','2019-02-14',False,NULL,NULL,NULL),
(1000000005,'111114','Chandrakant','Manganlal','Bhatt','M',20000,6475548290,313839250128,'Ahmedabad','Bopal',340200,'cashier','2017-07-09',False,NULL,NULL,NULL),
(1000000107,'111114','Nirmal','Pankajkumar','Patel','M',25000,8443503122,479721591209,'Ahmedabad','Vejalpur',340200,'manager','2019-09-03',False,NULL,NULL,NULL),
(1000000370,'111114','Sanjana',NULL,'Singh','F',15000,9483607319,873609297612,'Ahmedabad','Nikol',340200,'chef','2016-08-23',False,NULL,NULL,NULL),
(1000000037,'111113','Siddharth','Bhavesh','Parmar','M',10000,8719160731,784710208723,'Junagadh','Zanzarda',340246,'waiter','2018-02-10',true,'active','good',False),
(1000000003,'111113','Rajesh','V','Panchal','M',15000,9527318090,348102087737,'Junagadh','Gandhi chowk',340246,'chef','2020-05-07',true,'active','average',False),
(1000000010,'111113','Shalini','Thomas','Sebestian','F',25000,7789305308,102598766503,'Junagadh','Kalwa chowk',340246,'manager','2016-09-07',true,'active','excellent',true),
(1000000050,'111113','Bijoy','Mani','kakar','M',20000,8218320100,92198881828,'Junagadh','Mangnath',340246,'cashier','2017-12-10',true,'active','good',true),
(1000000700,'111115','Pankaj','M','Sheth','M',25000,9973503552,473128557100,'Surat','adajan',340280,'manager','2018-10-05',False,NULL,NULL,NULL),
(1000000036,'111115','Shilpa','Vraj','Kunda','F',10000,7802218520,369508182500,'Surat','katargam',340280,'waiteress','2020-11-13',False,NULL,NULL,NULL),
(1000000019,'111115','Mangan','Manganlal','Patil','M',15000,8972200290,603879254190,'Surat','udhna',340280,'chef','2018-03-17',False,NULL,NULL,NULL),

(1000000201,'111115','Thomas','Bob','Roy','M',20000,6983510311,940291209209,'Surat','Varachha',340280,'cashier','2021-10-05',False,NULL,NULL,NULL);

INSERT INTO employee(EID,
branch_license_no,
first_name,
middle_name,
last_name,
gender,
monthly_salary,
contact_no,
Aadhar_no,
City,
Locality,
PIN_code,
Job_position,
Joining_date,
company_employee,
Work_status,
overall_performance,
promotion_eligibilty) values
(1000000007,'111111','Vikrant','Aabhilash','Singh','M',25000,7555449870,890528087521,'Jamnagar','Motikhavdi',340245,'manager','2018-05-15',False,NULL,NULL,NULL),
(1000000011,'111111','Lalit','Jatinlal','Natt','M',10000,9455568192,340278250128,'Jamnagar','Shantinagar',340245,'waiter','2019-11-01',False,NULL,NULL,NULL);

INSERT INTO employee(EID,
branch_license_no,
first_name,
middle_name,
last_name,
gender,
monthly_salary,
contact_no,

Aadhar_no,
City,
Locality,
PIN_code,
Job_position,
Joining_date,
company_employee,
Work_status,
overall_performance,
promotion_eligibilty) values
(1000000001,'111112','Nagma','K','Chandra','F',20000,7555444373,123490808752,
'Bhuj','Madhapar',340248,'cashier','2020-10-20',True,'active','good',False),
(1000000004,'111112','Bipin','J','Vaghasiya','M',10000,9455568192,798150084757,
'Bhuj','Char-rasta',340248,'waiter','2019-11-01',True,'active','average',false);

Insert into franchiseecompany values('U90167XY1111LNM777881','Acme
Corporation','Aksat Srivastava','Bopal',340200,'Ahmedabad'),
('L70167XY1122LNM777883','Globex Corporation','Aayush
Kumar','Ghatgopal',400004,'Mumbai'),
('U70167ZW1122DAI757663','Initech','Yash Sanghvi','Adajan
Patia',340280,'Surat'),
('L96576ZW1133IIT757693','Wayne Enterprises','Shreeji Joshi','SG
Highway',340200,'Ahemdabad'),
('U96546FG1133NIT757393','Soylent Corporation','Harsh
Madani','Dumas',340280,'Surat');

Insert into contact_details
values('U90167XY1111LNM777881',7852369855),('U90167XY1111LNM777881'
,9852336955),
('L70167XY1122LNM777883',7016896532),('L70167XY1122LNM777883',7016
897744),

('U70167ZW1122DAI757663',9988556321),('U70167ZW1122DAI757663',9988779321),
('L96576ZW1133IIT757693',9981133321),
('U96546FG1133NIT757393',7081145321),('U96546FG1133NIT757393',7081199921);

INSERT INTO dependents values
(1000000007,'Aabhilash',NULL,'Singh','M','Father'),
(1000000005,'Maganlal','Chaganlal','Bhatt','M','Father'),
(1000000007,'Rajvi','Bhavesh','Parmar','F','Sister'),
(1000000050,'Supriya','Bijoy','Kakar','F','Wife'),
(1000000107,'Mohan','Pankajkumar','Patel','M','Brother'),
(1000000201,'Bob',NULL,'Roy','M','Father'),
(1000000050,'Mani',NULL,'Kakar','M','Father'),
(1000000003,'Pratap','V','Panchal','M','Brother'),
(1000000007,'Shruti','Vikrant','Singh','F','Wife')
insert into dependents values('1000000050','Sarika','Mani','Kakar','F','Grand
Mother');

INSERT INTO franchisee_owned_branch values
(111111,'U90167XY1111LNM777881',50000),
(111114,'L70167XY1122LNM777883',70000),
(111115,'L96576ZW1133IIT757693',90000);

INSERT INTO company_owned_branch values (111112,200000),(111113,250000)

INSERT INTO branch_statistics values (111113,2017,'Aloo Tikki
Burger',7000),(111113,2018,'Mango Pineapple Smoothie',7000),
(111113,2019,'Mango Pineapple Smoothie',7000),(111113,2020,'Veg Cheese

Pizza',8000),
(111112,2017,'Matka Kulfi',5000),(111112,2018,'Kutchi Dabeli',5000),--------new
(111112,2019,'Kutchi Dabeli',6000),(111112,2020,'Kutchi Dabeli',6500)

INSERT INTO supplier values
('Ajay Parmar','Hill Garden',340248,'Bhuj'),
('Sanjay Kumar','Lotus Colony',340248,'Bhuj'),
('Preet Patel','Lotus Colony',340248,'Bhuj'),
('Srikant Singh','Zanzarda Road',340246,'Junagadh'),
('Jaydeep Pandey','Satadhar',340246,'Junagadh'),
('Dev Gohil','Uparkot',340246,'Junagadh'),
('Parthiv Sheth','Iscon Temple',340200,'Ahmedabad');

INSERT INTO raw_material values
('Potato','vegetables'),('Tomato','vegetables'),('Capsicum','vegetables')
,('Carrot','vegetables'),('Cucumber','vegetables'),('Coriander','vegetables'),
('Butter','dairy'),('Cheese','dairy'),('Chicken','meat'),('Egg','other');

INSERT INTO supplies values
('Ajay Parmar','Hill Garden','Bhuj','Potato',20),
('Ajay Parmar','Hill Garden','Bhuj','Tomato',20),
('Ajay Parmar','Hill Garden','Bhuj','Capsicum',40),
('Ajay Parmar','Hill Garden','Bhuj','Carrot',50),
('Ajay Parmar','Hill Garden','Bhuj','Cucumber',30),
('Sanjay Kumar','Lotus Colony','Bhuj','Coriander',20),
('Sanjay Kumar','Lotus Colony','Bhuj','Potato',25),
('Sanjay Kumar','Lotus Colony','Bhuj','Tomato',30),
('Preet Patel','Lotus Colony','Bhuj','Butter',1200),
('Preet Patel','Lotus Colony','Bhuj','Cheese',2000),

('Preet Patel','Lotus Colony','Bhuj','Chicken',5000),
('Preet Patel','Lotus Colony','Bhuj','Egg',3000),
('Srikant Singh','Zanzarda Road','Junagadh','Potato',25),
('Srikant Singh','Zanzarda Road','Junagadh','Tomato',30),
('Srikant Singh','Zanzarda Road','Junagadh','Capsicum',35),
('Srikant Singh','Zanzarda Road','Junagadh','Carrot',45),
('Srikant Singh','Zanzarda Road','Junagadh','Cucumber',28),
('Jaydeep Pandey','Satadhar','Junagadh','Coriander',22),
('Jaydeep Pandey','Satadhar','Junagadh','Potato',28),
('Jaydeep Pandey','Satadhar','Junagadh','Tomato',23),
('Jaydeep Pandey','Satadhar','Junagadh','Butter',1300),
('Jaydeep Pandey','Satadhar','Junagadh','Cheese',2100),
('Dev Gohil','Uparkot','Junagadh','Butter',1400),
('Dev Gohil','Uparkot','Junagadh','Cheese',2150),
('Dev Gohil','Uparkot','Junagadh','Chicken',5500),
('Dev Gohil','Uparkot','Junagadh','Egg',3200),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Potato',30),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Tomato',35),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Capsicum',40),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Carrot',48),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Cucumber',30),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Coriander',25),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Butter',1500),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Cheese',2300),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Chicken',6500),
('Parthiv Sheth','Iscon Temple','Ahmedabad','Egg',3900);

INSERT INTO supplied_to values
(111112,'Ajay Parmar','Hill Garden','Bhuj','Potato',300),
(111112,'Sanjay Kumar','Lotus Colony','Bhuj','Tomato',200),
(111112,'Ajay Parmar','Hill Garden','Bhuj','Capsicum',250),
(111112,'Sanjay Kumar','Lotus Colony','Bhuj','Coriander',20),
(111112,'Ajay Parmar','Hill Garden','Bhuj','Carrot',150),

(111112,'Ajay Parmar','Hill Garden','Bhuj','Cucumber',150),
(111112,'Preet Patel','Lotus Colony','Bhuj','Butter',200),
(111112,'Preet Patel','Lotus Colony','Bhuj','Cheese',300),
(111112,'Preet Patel','Lotus Colony','Bhuj','Chicken',20),
(111112,'Preet Patel','Lotus Colony','Bhuj','Egg',30),
(111113,'Jaydeep Pandey','Satadhar','Junagadh','Potato',350),
(111113,'Jaydeep Pandey','Satadhar','Junagadh','Tomato',220),
(111113,'Srikant Singh','Zanzarda Road','Junagadh','Capsicum',250),
(111113,'Srikant Singh','Zanzarda Road','Junagadh','Carrot',120),
(111113,'Srikant Singh','Zanzarda Road','Junagadh','Cucumber',130),
(111113,'Jaydeep Pandey','Satadhar','Junagadh','Coriander',22),
(111113,'Jaydeep Pandey','Satadhar','Junagadh','Cheese',350),
(111113,'Dev Gohil','Uparkot','Junagadh','Butter',220),
(111113,'Dev Gohil','Uparkot','Junagadh','Chicken',25),
(111113,'Dev Gohil','Uparkot','Junagadh','Egg',40);

INSERT INTO advertisement values
('PO101',111112,'Chitra','Poster',7000),
('PO106',111113,'Chitra','Poster',7000),
('SM103',111112,'Facebook-Business','Social Media',5000),
('SM104',111113,'Kshetra','Social Media',4000),
('TV105',111113,'Clickadu','TV',3000),
('TV107',111112,'Clickadu','TV',3000),
('SM102',111113,'Facebook-Business','Social Media',5000);

SQL Queries:-

1) List the name of all employees who work in science-city,
   Ahmedabad branch and have joined the restaurant after 1/1/2015.

2) Give the signature dish of the branch in Adajan, Surat branch and the region in which this signature dish is available.

3) List which suppliers supply which raw materials in the science-city, Ahmedabad branch.

4) What amount is spent in buying raw materials in science-city, Ahmedabad branch in this month.

5) List the top 3 branches which spent the highest in advertisements.

6) What is the revenue generated in paldi, Ahmedabad branch in 2020?

7) List out all the branches owned by (user-given) franchisee company

8) List out the top 5 branches in Ahmedabad which are generating highest revenue in 2020.

9) Which Franchisee company is offering lowest/Highest royalty fees?

10) Which signature dishes are available in Saurashtra region?

11) List all the dishes available in the menu which are vegetarian and are having price less than Rs 200.

12) List all the branches which are spending less than Rs10,000 on advertisement and are generating revenue greater than Rs 80,000.

13) List all the employees having experience of greater than or equal to 5 years in company-owned branches.

14) Which company-owned branch has generated the highest revenue in 2020?

15) List down all the franchisee companies operating more than 3 branches.