HOTEL MANAGEMENT SYSTEM

PROJECT REPORT

Submitted by

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Prepared For

DATABASE SYSTEMS (ITE1003) – PROJECT COMPONENT

Submitted To

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Contents

1. INTRODUCTION

Hotels are the major generators of tourist. Hotel Management involves a combination of various skills like management, marketing, human resource development, financial development, dexterity, etc. Activities in the area of Hotel Management involves ensuring that all the operations like food and drinks, accommodation including the maintenance of finance and personal details of all the employee are well served.

The reservations, registrations, accounts, services, payment mode, extra activities are to be handled and maintained carefully and in an effective way to satisfy the guest as well as to check there is no leakage of profit to the hotel. The tool required for that is a strong database.

2. KEY CONTACTS AND STAKEHOLDERS

Name	Registration Number	Phone Number
Rohin Goyal	19BIT0140	9636293457
Subham Subhasish Panda	19BIT0093	9777615319
Aditya	19BIT0139	7979910425
Aarush Agarwal	19BIT0098	9150554960

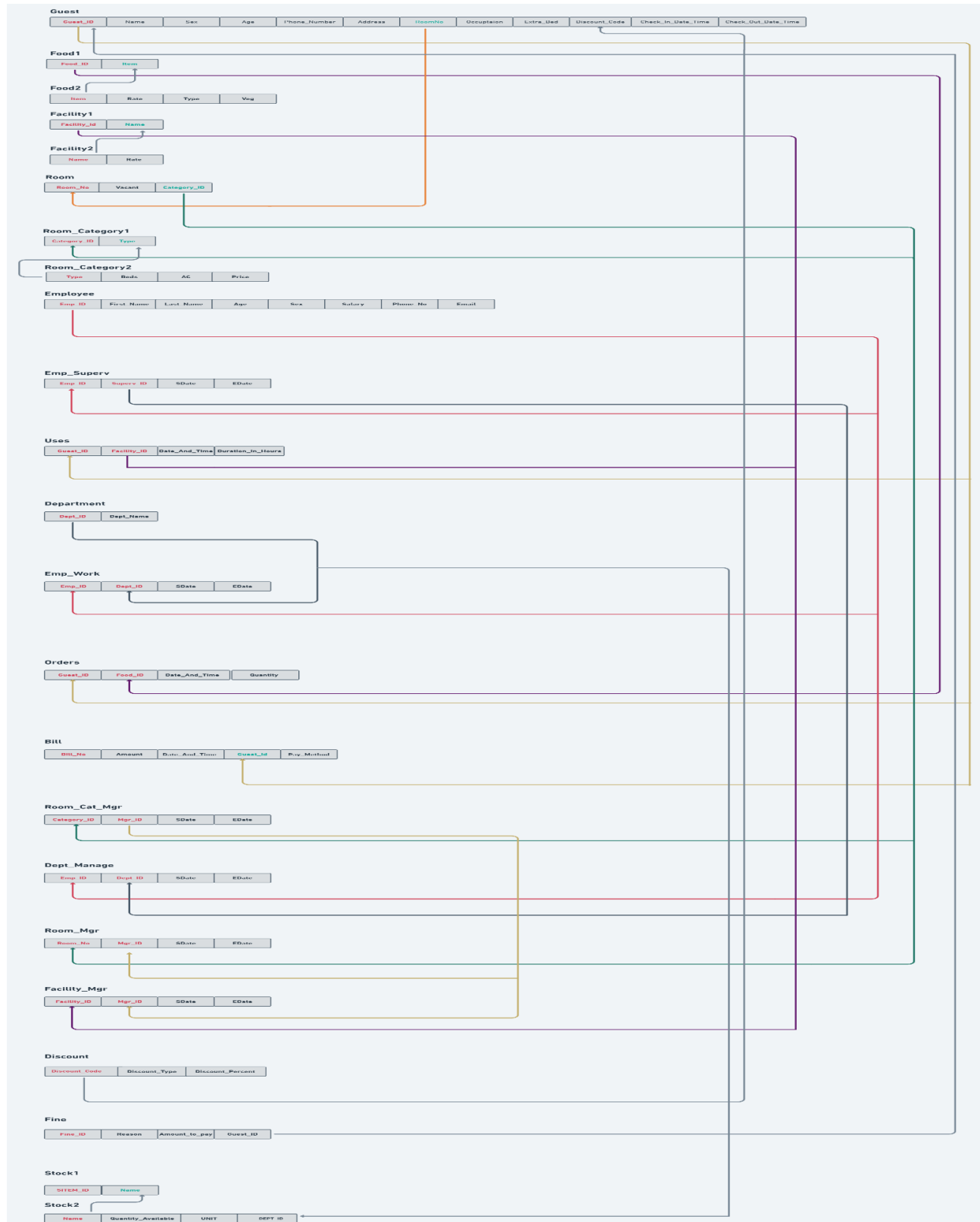## 3. PROJECT SOFTWARE REQUIREMENTS

- Windows 10
- Oracle Live SQL

4. ER DIAGRAM

Here, Bold Line (PINK) represents Total Participation whereas Normal Line (BLUE) represents Partial Participation. Here, RED colour denotes Primary Key, BLUE colour signifies Partial Key and YELLOW colour represents Attributes.

5. SCHEMA DIAGRAM

Guest

| Guest_ID | Name | Sex | Age | Phone_Number | Address | RoomNo | Occupation | Extra_Bed | Discount_Code | Check_In_Date_Time | Check_Out_Date_Time |

Food1

| Food_ID | Item |

Food2

| Item | Rate | Type | Veg |

Facility1

| Facility_Id | Name |

Facility2

| Name | Rate |

Room

| Room_No | Vacant | Category_ID |

Room_Category1

| Category_ID | Type |

Room_Category2

| Type | Beds | AC | Price |

Employee

| Emp_ID | First_Name | Last_Name | Age | Sex | Salary | Phone_No | Email |

Emp_Superv

| Emp_ID | Superv_ID | SDate | EDate |

Uses

| Guest_ID | Facility_ID | Date_And_Time | Duration_In_Hours |

Department

| Dept_ID | Dept_Name |

Emp_Work

| Emp_ID | Dept_ID | SDate | EDate |

Orders

| Guest_ID | Food_ID | Date_And_Time | Quantity |

Bill

| Bill_No | Amount | Date_And_Time | Guest_Id | Pay_Method |

Room_Cat_Mgr

| Category_ID | Mgr_ID | SDate | EDate |

Dept_Manage

| Emp_ID | Dept_ID | SDate | EDate |

Room_Mgr

| Room_No | Mgr_ID | SDate | EDate |

Facility_Mgr

| Facility_ID | Mgr_ID | SDate | EDate |

Discount

| Discount_Code | Discount_Type | Discount_Percent |

Fine

| Fine_ID | Reason | Amount_to_pay | Guest_ID |

Stock1

| SITEM_ID | Name |

Stock2

| Name | Quantity_Available | UNIT | DEPT_ID |

6. TABLES AND CONSTRAINTS

Guest:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Guest_ID	VARCHAR2	PRIMARY KEY
Name	VARCHAR2	NOT NULL
Sex	CHAR	NOT NULL
Age	NUMBER	CHECK (Age>0)
Phone_Number	NUMBER	NOT NULL
Address	VARCHAR2	
Room_No	NUMBER	FOREIGN KEY REFERENCES Room (Room_No)
Check_In_Date_Time	TIMESTAMP	NOT NULL
Check_Out_Date_Time	TIMESTAMP	
Occupation	VARCHAR2	NOT NULL
Extra_Bed	NUMBER	
Discount_Code	VARCHAR2	FOREIGN KEY REFERENCES Discount(Discount_Code)

Food1:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Food_ID	VARCHAR2	PRIMARY KEY
Item	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Food2(Item)

Food2:

ATTRIBUTES	DATA TYPES	CONSTRAINTS

Item	VARCHAR2	PRIMARY KEY
Rate	NUMBER	NOT NULL
Type	VARCHAR2	
Veg	CHAR	NOT NULL

Facility1:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Facility_ID	VARCHAR2	PRIMARY KEY
Name	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Facility2(Name)

Facility2:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Name	VARCHAR2	PRIMARY KEY
Rate	NUMBER	NOT NULL

Room:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Room_No	NUMBER	PRIMARY KEY
Vacant	CHAR	NOT NULL
Category_ID	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Room_Category1(Category_ID)

Room_Category1:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Category_ID	VARCHAR2	PRIMARY KEY
Type	VARCHAR2	FOREIGN KEY REFERENCES Room_Category2(Type)

Room_Category2:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Type	VARCHAR2	PRIMARY KEY
Beds	NUMBER	
AC	CHAR	NOT NULL
Price	NUMBER	NOT NULL

Employee:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Emp_ID	VARCHAR2	PRIMARY KEY
First_Name	VARCHAR2	NOT NULL
Last_Name	VARCHAR2	
Age	NUMBER	NOT NULL
Sex	CHAR	NOT NULL
Salary	NUMBER	NOT NULL
Phone_No	NUMBER	

Email	VARCHAR 2	UNIQUE

Emp_Superv:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Emp_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
Superv_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Uses:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Guest_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Guest(Guest_ID)
Facility_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Facility(Facility_ID)
Date_And_Time	TIMESTAMP	NOT NULL
Duration_In_Hours	NUMBER	NOT NULL

Department:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Dept_ID	VARCHAR2	PRIMARY KEY
Dept_Name	VARCHAR2	NOT NULL

Emp_Work:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Emp_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
Dept_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Department(Dept_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Orders:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Guest_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Guest(Guest_ID)
Food_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Food1(Food_ID)
Date_And_Time	TIMESTAMP	
Quantity	NUMBER	NOT NULL

Bill (Fully Dependent on Guest):

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Bill_No	NUMBER	PRIMARY KEY
Amount	NUMBER	NOT NULL
Date_And_Time	TIMESTAMP	
Guest_ID	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Guest (Guest_ID)
Pay_Method	VARCHAR2	

Room_Cat_Mgr:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Category_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Room_Category1(Category_ID)
Mgr_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Dept_Manage:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Emp_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
Dept_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES

		Department(Dept_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Room_Mgr:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Room_No	NUMBER	PRIMARY KEY, FOREIGN KEY REFERENCES Room(Room_No)
Mgr_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Facility_Mgr:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Facility_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Facility1(Facility_ID)
Mgr_ID	VARCHAR2	PRIMARY KEY, FOREIGN KEY REFERENCES Employee(Emp_ID)
SDate	DATE	NOT NULL
EDate	DATE	

Fine:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Fine_ID	VARCHAR2	PRIMARY KEY
Reason	VARCHAR2	NOT NULL
Amount_To_Pay	NUMBER	NOT NULL
Guest_ID	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Guest(Guest_ID)

Discount:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Discount_Code	VARCHAR2	PRIMARY KEY
Discount_Type	VARCHAR2	NOT NULL
Discount_Percent	NUMBER	NOT NULL

Stock1:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Sitem_ID	VARCHAR2	PRIMARY KEY
Name	VARCHAR2	NOT NULL, FOREIGN KEY REFERENCES Stock2(Name)

Stock2:

ATTRIBUTES	DATA TYPES	CONSTRAINTS
Name	VARCHAR2	PRIMARY KEY
Quantity_Available	NUMBER	

Unit	VARCHAR2	NOT NULL
Dept_ID	VARCHAR2	FOREIGN KEY REFERENCES Department(Dept_ID)

7. RECORDS AND QUERIES

7.1 Creating Tables:

CREATE TABLE Bill (

    Bill_No NUMBER(5) PRIMARY KEY,

    Amount NUMBER(15,2) NOT NULL,

    Date_And_Time TIMESTAMP,

    Guest_ID VARCHAR2(10) NOT NULL,

    Pay_Method VARCHAR2(15)

);

CREATE TABLE Employee(

    Emp_ID VARCHAR(6) PRIMARY KEY,

    First_Name VARCHAR(15) NOT NULL,

    Last_Name VARCHAR(15),

    Age NUMBER(3) NOT NULL,

    Sex CHAR(1) NOT NULL,

    Salary NUMBER(6) NOT NULL,

    Phone_No NUMBER(10),

    Email VARCHAR2(30) UNIQUE

);

CREATE TABLE Department(

    Dept_ID VARCHAR2(6) PRIMARY KEY,

    Dept_Name VARCHAR2(30)

);

CREATE TABLE Room_Category(

```
        Category_ID VARCHAR2(6) PRIMARY KEY,

        Type VARCHAR2(40),

        Beds NUMBER(2),

        AC CHAR(1) NOT NULL,

        Price NUMBER(6) NOT NULL

);


CREATE TABLE Guest(

        Guest_ID VARCHAR2(6) PRIMARY KEY,

        Name VARCHAR2(20) NOT NULL,

        Sex CHAR(1) NOT NULL,

        Age NUMBER(4) CHECK(Age>0),

        Phone_Number NUMBER(10) NOT NULL,

        Address VARCHAR2(30),

        Room_No NUMBER(4),

        Occupation VARCHAR2(30),

        Extra_Bed NUMBER,

        Discount_Code VARCHAR2(7),

        Check_In_Date_Time TIMESTAMP,

        Check_Out_Date_Time TIMESTAMP

);


CREATE TABLE Room(

        Room_No NUMBER(5) PRIMARY KEY,

        Vacant CHAR(1) NOT NULL,

        Category_ID VARCHAR2(6) NOT NULL

);


CREATE TABLE Dept_Manage(

        Emp_ID VARCHAR2(6),

        Dept_ID VARCHAR2(6),

        SDate DATE NOT NULL,

        EDate DATE,

        PRIMARY KEY(Emp_ID,Dept_ID)

);



CREATE TABLE Facility_Mgr(
```

```
        Facility_ID VARCHAR2(7),
        Mgr_ID VARCHAR2(6),
        SDate DATE NOT NULL,
        EDate DATE,
        PRIMARY KEY(Facility_ID,Mgr_ID)
);


CREATE TABLE Room_Mgr(
        Room_No NUMBER(5),
        Mgr_ID VARCHAR2(6),
        SDate DATE NOT NULL,
        EDate DATE,
        PRIMARY KEY(Room_No,Mgr_ID)
);


CREATE TABLE Room_Cat_Mgr(
        Category_ID VARCHAR2(6),
        Mgr_ID VARCHAR2(6),
        SDate DATE NOT NULL,
        EDate DATE,
        PRIMARY KEY(Category_ID,Mgr_ID)
);



CREATE TABLE Emp_Superv(
        Emp_ID VARCHAR2(6),
        Superv_ID VARCHAR2(6),
        SDate DATE NOT NULL,
        EDate DATE,
        PRIMARY KEY(Emp_ID,Superv_ID)
);


CREATE TABLE Uses(
        Guest_ID VARCHAR2(6),
        Facility_ID VARCHAR2(7),
        Date_And_Time TIMESTAMP,
        Duration_In_Hours NUMBER(3,1) NOT NULL,
        PRIMARY KEY(Guest_ID,Facility_ID)
```

```
);


CREATE TABLE Orders(
        Guest_ID VARCHAR2(6),
        Food_ID VARCHAR2(7),
        Date_And_Time TIMESTAMP,
        Quantity NUMBER(2) NOT NULL,
        PRIMARY KEY(Guest_ID,Food_ID)
);


CREATE TABLE Emp_Work(
        Emp_ID VARCHAR2(6) NOT NULL,
        Dept_ID VARCHAR2(6) NOT NULL,
        SDate DATE NOT NULL,
        EDate DATE,
        PRIMARY KEY(Emp_ID,Dept_ID)
);


CREATE TABLE Fine(
        Fine_ID VARCHAR2(7) PRIMARY KEY,
        Reason VARCHAR2(30) NOT NULL,
        Amount_To_Pay NUMBER(5) NOT NULL,
        Guest_ID VARCHAR2(10) NOT NULL
);


CREATE TABLE Discount(
        Discount_Code VARCHAR2(7) PRIMARY KEY NOT NULL,
        Discount_Type VARCHAR2(30) NOT NULL,
        Discount_Percent NUMBER(3) NOT NULL
);


CREATE TABLE Facility1 (
        Facility_ID VARCHAR2(7) PRIMARY KEY,
        Name VARCHAR2(20) NOT NULL
);



CREATE TABLE Facility2 (
```

```
        Name VARCHAR2(20) PRIMARY KEY,
        Rate NUMBER(4) NOT NULL
);


CREATE TABLE Stock1 (
        Sitem_id CHAR(6) PRIMARY KEY,
        Name VARCHAR2(20)

);


CREATE TABLE Stock2 (
        Name VARCHAR2(20) PRIMARY KEY,
        Quantity_Available NUMBER(10),
        Unit VARCHAR2(10),
        Dept_ID VARCHAR2(6)
);


CREATE TABLE Food1(
        Food_ID VARCHAR2(7) PRIMARY KEY,
        Item VARCHAR2(20) NOT NULL

);



CREATE TABLE Food2(
        Item VARCHAR2(20) PRIMARY KEY,
        Rate NUMBER(4) NOT NULL,
        Type VARCHAR2(20),
        Veg CHAR(1) NOT NULL
);


CREATE TABLE Room_Category1(
        Category_ID VARCHAR2(6) PRIMARY KEY,
        Type VARCHAR2(40)
);


CREATE TABLE Room_Category2(
        Type VARCHAR2(40) PRIMARY KEY,
```

```
    Beds NUMBER(2),
    AC CHAR(1) NOT NULL,
    Price NUMBER(6) NOT NULL
);
```

7.2   Adding Foreign Key References:

```
ALTER TABLE Room
ADD FOREIGN KEY (Category_ID) REFERENCES Room_Category1(Category_ID) ON DELETE SET NULL;

ALTER TABLE Guest
ADD FOREIGN KEY (Room_No) REFERENCES Room(Room_No) ON DELETE SET NULL;

ALTER TABLE Bill
ADD FOREIGN KEY (Guest_ID) REFERENCES Guest(Guest_ID) ON DELETE SET NULL;

ALTER TABLE Dept_Manage
ADD (FOREIGN KEY (Emp_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL, FOREIGN KEY
(Dept_ID) REFERENCES Department(Dept_ID) ON DELETE SET NULL);

ALTER TABLE Emp_Work
ADD (FOREIGN KEY (Emp_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL, FOREIGN KEY
(Dept_ID) REFERENCES Department(Dept_ID) ON DELETE SET NULL);

ALTER TABLE Emp_Superv
ADD (FOREIGN KEY (Emp_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL, FOREIGN KEY
(Superv_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL);

ALTER TABLE Room_Cat_Mgr
ADD (FOREIGN KEY (Category_ID) REFERENCES Room_Category1(Category_ID) ON DELETE SET NULL,
FOREIGN KEY (Mgr_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL);

ALTER TABLE Room_Mgr
ADD (FOREIGN KEY (Room_No) REFERENCES Room(Room_No) ON DELETE SET NULL, FOREIGN KEY
(Mgr_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL);

ALTER TABLE Facility_Mgr
```

ADD (FOREIGN KEY (Facility_ID) REFERENCES Facility1(Facility_ID) ON DELETE SET NULL, FOREIGN KEY (Mgr_ID) REFERENCES Employee(Emp_ID) ON DELETE SET NULL);

ALTER TABLE Uses
ADD (FOREIGN KEY (Guest_ID) REFERENCES Guest(Guest_ID) ON DELETE SET NULL, FOREIGN KEY (Facility_ID) REFERENCES Facility1(Facility_ID) ON DELETE SET NULL);

ALTER TABLE Orders
ADD (FOREIGN KEY (Guest_ID) REFERENCES Guest(Guest_ID) ON DELETE SET
 NULL, FOREIGN KEY (Food_ID) REFERENCES Food1(Food_ID) ON DELETE SET NULL);

ALTER TABLE Fine
ADD FOREIGN KEY (Guest_ID) REFERENCES Guest(Guest_ID) ON DELETE SET NULL;

ALTER TABLE Stock2
ADD FOREIGN KEY (Dept_ID) REFERENCES Department(Dept_ID) ON DELETE SET NULL;

ALTER TABLE Guest
ADD FOREIGN KEY (Discount_Code) REFERENCES Discount(Discount_Code) ON DELETE SET NULL;

ALTER TABLE Facility1
ADD FOREIGN KEY (Name) REFERENCES Facility2(Name) ON DELETE SET NULL;

ALTER TABLE Stock1
ADD FOREIGN KEY (Name) REFERENCES Stock2(Name) ON DELETE SET NULL;

ALTER TABLE Food1
ADD FOREIGN KEY (Item) REFERENCES Food2(Item) ON DELETE SET NULL;

ALTER TABLE Room_Category1
ADD FOREIGN KEY (Type) REFERENCES Room_Category2(Type) ON DELETE SET NULL;

7.3   Inserting Records in table:

Food1:

INSERT INTO Food1 VALUES('FOD0001','Bread Butter');
INSERT INTO Food1 VALUES('FOD0002','Poha');
INSERT INTO Food1 VALUES('FOD0003','Idli');

INSERT INTO Food1 VALUES('FOD0004','Dosa');
INSERT INTO Food1 VALUES('FOD0005','Omlette');
INSERT INTO Food1 VALUES('FOD0006','Plain Rice');
INSERT INTO Food1 VALUES('FOD0007','Veg Biryani');
INSERT INTO Food1 VALUES('FOD0008','Pulao');
INSERT INTO Food1 VALUES('FOD0009','Mix Veg');
INSERT INTO Food1 VALUES('FOD0010','Butter Paneer');
INSERT INTO Food1 VALUES('FOD0011','Crushers');
INSERT INTO Food1 VALUES('FOD0012','Diet Coke');
INSERT INTO Food1 VALUES('FOD0013','Soda Water');
INSERT INTO Food1 VALUES('FOD0014','Mocktail');
INSERT INTO Food1 VALUES('FOD0015','Coffee');
INSERT INTO Food1 VALUES('FOD0016','Cornetto');
INSERT INTO Food1 VALUES('FOD0017','Kulfi');
INSERT INTO Food1 VALUES('FOD0018','Jalebi');
INSERT INTO Food1 VALUES('FOD0019','Gajar Halwa');
INSERT INTO Food1 VALUES('FOD0020','Gulab Jamun');

Food2:

INSERT INTO Food2 VALUES('Bread Butter',20,'Breakfast','Y');
INSERT INTO Food2 VALUES('Poha',30,'Breakfast','Y');
INSERT INTO Food2 VALUES('Idli',20,'Breakfast','Y');
INSERT INTO Food2 VALUES('Dosa',30,'Breakfast','Y');
INSERT INTO Food2 VALUES('Omlette',20,'Breakfast','N');
INSERT INTO Food2 VALUES('Plain Rice',30,'Meal','Y');
INSERT INTO Food2 VALUES('Veg Biryani',120,'Meal','Y');
INSERT INTO Food2 VALUES('Pulao',70,'Meal','Y');
INSERT INTO Food2 VALUES('Mix Veg',120,'Meal','Y');
INSERT INTO Food2 VALUES('Butter Paneer',140,'Meal','Y');
INSERT INTO Food2 VALUES('Crushers',40,'Beverages','Y');
INSERT INTO Food2 VALUES('Diet Coke',30,'Beverages','Y');
INSERT INTO Food2 VALUES('Soda Water',25,'Beverages','Y');
INSERT INTO Food2 VALUES('Mocktail',40,'Beverages','Y');
INSERT INTO Food2 VALUES('Coffee',35,'Beverages','Y');
INSERT INTO Food2 VALUES('Cornetto',30,'Dessert','Y');
INSERT INTO Food2 VALUES('Kulfi',25,'Dessert','Y');
INSERT INTO Food2 VALUES('Jalebi',30,'Dessert','Y');
INSERT INTO Food2 VALUES('Gajar Halwa',50,'Dessert','Y');
INSERT INTO Food2 VALUES('Gulab Jamun',35,'Dessert','Y');

Facility1:

INSERT INTO Facility1 VALUES('FAC0001','Swimming Pool');
INSERT INTO Facility1 VALUES('FAC0002','Shoe Shine Service');
INSERT INTO Facility1 VALUES('FAC0003','Badminton');
INSERT INTO Facility1 VALUES('FAC0004','Table Tennis');
INSERT INTO Facility1 VALUES('FAC0005','Squash');
INSERT INTO Facility1 VALUES('FAC0006','Wi-Fi');
INSERT INTO Facility1 VALUES('FAC0007','Cabs');
INSERT INTO Facility1 VALUES('FAC0008','Gymnasium');
INSERT INTO Facility1 VALUES('FAC0009','Spa');
INSERT INTO Facility1 VALUES('FAC0010','Baby Sitting');
INSERT INTO Facility1 VALUES('FAC0011','Roof Top Pool');
INSERT INTO Facility1 VALUES('FAC0012','Private Kitchen');
INSERT INTO Facility1 VALUES('FAC0013','Safety Lockers');
INSERT INTO Facility1 VALUES('FAC0014','Newspaper');
INSERT INTO Facility1 VALUES('FAC0015','Television');
INSERT INTO Facility1 VALUES('FAC0016','Infant Cot');

Facility2:

INSERT INTO Facility2 VALUES('Swimming Pool',250);
INSERT INTO Facility2 VALUES('Shoe Shine Service',70);
INSERT INTO Facility2 VALUES('Badminton',150);
INSERT INTO Facility2 VALUES('Table Tennis',150);
INSERT INTO Facility2 VALUES('Squash',150);
INSERT INTO Facility2 VALUES('Wi-Fi',300);
INSERT INTO Facility2 VALUES('Cabs',2000);
INSERT INTO Facility2 VALUES('Gymnasium',400);
INSERT INTO Facility2 VALUES('Spa',2000);
INSERT INTO Facility2 VALUES('Baby Sitting',700);
INSERT INTO Facility2 VALUES('Roof Top Pool',1000);
INSERT INTO Facility2 VALUES('Private Kitchen',1000);
INSERT INTO Facility2 VALUES('Safety Lockers',800);
INSERT INTO Facility2 VALUES('Newspaper',30);
INSERT INTO Facility2 VALUES('Television',100);
INSERT INTO Facility2 VALUES('Infant Cot',650);

Employee:

INSERT INTO Employee VALUES('EMP101','Rahul','Bose',58,'M',45000,7958263897,'saar101@saar.co.in');
INSERT INTO Employee VALUES('EMP102','Animesh','Sharma',70,'M',80000,7960645805,'saar102@saar.co.in');
INSERT INTO Employee VALUES('EMP103','Shivash','Tiwari',19,'M',110000,6895697562,'saar103@saar.co.in');

```
INSERT INTO Employee VALUES('EMP104','Subham','Awasthi',75,'M',25000,7136859758,'saar104@saar.co.in');
INSERT INTO Employee VALUES('EMP105','Kashish','Mittal',39,'M',100000,7191800267,'saar105@saar.co.in');
INSERT INTO Employee VALUES('EMP106','David','Velho',43,'M',95000,9604215584,'saar106@saar.co.in');
INSERT INTO Employee VALUES('EMP107','Rohan','Mukherjee',19,'M',145000,6863200724,'saar107@saar.co.in');
INSERT INTO Employee VALUES('EMP108','Shivansh','Sharma',78,'M',120000,7139511497,'saar108@saar.co.in');
INSERT INTO Employee VALUES('EMP109','Ashikka','Gupta',49,'F',40000,9063270863,'saar109@saar.co.in');
INSERT INTO Employee VALUES('EMP110','Simran','Sharma',79,'F',40000,8683931565,'saar110@saar.co.in');
INSERT INTO Employee VALUES('EMP111','Vaish','Kumar',45,'M',70000,7016325818,'saar111@saar.co.in');
INSERT INTO Employee VALUES('EMP112','Arindam','Patra',50,'M',30000,7121753217,'saar112@saar.co.in');
INSERT INTO Employee VALUES('EMP113','Aasutosh','Gulati',25,'M',50000,7713159623,'saar113@saar.co.in');
INSERT INTO Employee VALUES('EMP114','Anil','Kumble',62,'M',40000,6903554029,'saar114@saar.co.in');
INSERT INTO Employee VALUES('EMP115','Asutosh','Rana',47,'M',125000,8673753384,'saar115@saar.co.in');
INSERT INTO Employee VALUES('EMP116','Aritam','Asthana',75,'M',65000,7101243977,'saar116@saar.co.in');
INSERT INTO Employee VALUES('EMP117','Anirban','Mishra',18,'M',90000,9980693527,'saar117@saar.co.in');
INSERT INTO Employee VALUES('EMP118','Aladin','Ali',45,'M',25000,7841404323,'saar118@saar.co.in');
INSERT INTO Employee VALUES('EMP119','Christopher','DSouza',26,'M',95000,6755790684,'saar119@saar.co.in');
INSERT INTO Employee VALUES('EMP120','Nikkita','Gupta',29,'F',30000,9239837153,'saar120@saar.co.in');
INSERT INTO Employee VALUES('EMP121','Yash','Verma',27,'M',110000,7710150606,'saar121@saar.co.in');
INSERT INTO Employee VALUES('EMP122','Subhaditya','Mishra',17,'M',140000,9326477229,'saar122@saar.co.in');
INSERT INTO Employee VALUES('EMP123','Ganesh','Gaitonde',83,'M',100000,9221077662,'saar123@saar.co.in');
INSERT INTO Employee VALUES('EMP124','Akhandanand','Tripathy',22,'M',70000,8228067840,'saar124@saar.co.in');
INSERT INTO Employee VALUES('EMP125','Amar','Kumar',89,'M',90000,9359388133,'saar125@saar.co.in');
INSERT INTO Employee VALUES('EMP126','Sartaj','Singh',66,'M',100000,8678936860,'saar126@saar.co.in');
INSERT INTO Employee VALUES('EMP127','Rishit','Bansal',43,'M',65000,6926852799,'saar127@saar.co.in');
INSERT INTO Employee VALUES('EMP128','Nikkita','Batra',43,'F',50000,8432058582,'saar128@saar.co.in');
INSERT INTO Employee VALUES('EMP129','Rahul','Sahara',75,'M',30000,9243035926,'saar129@saar.co.in');
INSERT INTO Employee VALUES('EMP130','Vedamruta','Nalla',59,'M',85000,7926095139,'saar130@saar.co.in');
INSERT INTO Employee VALUES('EMP131','Bavyash','Pandy',20,'M',75000,9170032409,'saar131@saar.co.in');
INSERT INTO Employee VALUES('EMP132','Saisish','Sahasransu',69,'M',95000,7012938688,'saar132@saar.co.in');
INSERT INTO Employee VALUES('EMP133','Santanu','Sekhar',58,'M',55000,9979908218,'saar133@saar.co.in');
INSERT INTO Employee VALUES('EMP134','Sandeepa','Choudhury',80,'F',75000,9974917482,'saar134@saar.co.in');
INSERT INTO Employee VALUES('EMP135','Sonali','Panda',43,'F',130000,7934153449,'saar135@saar.co.in');
INSERT INTO Employee VALUES('EMP136','Swamita','Gupta',82,'F',100000,9098970767,'saar136@saar.co.in');
INSERT INTO Employee VALUES('EMP137','Dev','Ashar',26,'M',60000,8439922710,'saar137@saar.co.in');
INSERT INTO Employee VALUES('EMP138','Rahil','Kabani',89,'M',85000,8223753471,'saar138@saar.co.in');
INSERT INTO Employee VALUES('EMP139','Aditya','Mishra',66,'M',140000,7267843161,'saar139@saar.co.in');
INSERT INTO Employee VALUES('EMP140','Pritish','Samal',16,'M',105000,9399345828,'saar140@saar.co.in');
INSERT INTO Employee VALUES('EMP141','Smayak','Gantayat',25,'M',20000,9010943323,'saar141@saar.co.in');
INSERT INTO Employee VALUES('EMP142','Sourav','Dash',26,'M',65000,8681665179,'saar142@saar.co.in');
INSERT INTO Employee VALUES('EMP143','Sanat','Dash',43,'F',135000,8724788703,'saar143@saar.co.in');
INSERT INTO Employee VALUES('EMP144','Priya','Kumari',82,'F',40000,8488437633,'saar144@saar.co.in');
INSERT INTO Employee VALUES('EMP145','Siddhi','Subrat',73,'F',40000,7540056040,'saar145@saar.co.in');
INSERT INTO Employee VALUES('EMP146','Biswajeet','Chandrasekhar',80,'M',110000,9693441306,'saar146@saar.co.in');
```

INSERT INTO Employee VALUES('EMP147','Agniva','Basak',71,'F',145000,9465361960,'saar147@saar.co.in');
INSERT INTO Employee VALUES('EMP148','Aryan','Patra',63,'M',20000,9897417077,'saar148@saar.co.in');
INSERT INTO Employee VALUES('EMP149','Sushir','Patra',28,'F',95000,7297980204,'saar149@saar.co.in');
INSERT INTO Employee VALUES('EMP150','Susmita','Sen',34,'F',25000,8741864586,'saar150@saar.co.in');

Department:

INSERT INTO Department VALUES('DEP001','Front Office');
INSERT INTO Department VALUES('DEP002','Housekeeping');
INSERT INTO Department VALUES('DEP003','Food and Beverage Service');
INSERT INTO Department VALUES('DEP004','Maintenance');
INSERT INTO Department VALUES('DEP005','Account and Credit');
INSERT INTO Department VALUES('DEP006','Security');
INSERT INTO Department VALUES('DEP007','Human Resource');
INSERT INTO Department VALUES('DEP008','Kitchen');
INSERT INTO Department VALUES('DEP009','IT');
INSERT INTO Department VALUES('DEP010','HOSPITALITY');

Room_Category1:

INSERT INTO Room_Category1 VALUES ('RCT001', 'Deluxe');
INSERT INTO Room_Category1 VALUES ('RCT002','Executive Deluxe');
INSERT INTO Room_Category1 VALUES ('RCT003','Classic SAAR Deluxe');
INSERT INTO Room_Category1 VALUES ('RCT004', 'Ambassador Deluxe');
INSERT INTO Room_Category1 VALUES ('RCT005','SAAR Superior Deluxe');
INSERT INTO Room_Category1 VALUES ('RCT006', 'Family Suite');
INSERT INTO Room_Category1 VALUES ('RCT007', 'Luxury Suite');
INSERT INTO Room_Category1 VALUES ('RCT008', 'Prestige Suite');
INSERT INTO Room_Category1 VALUES ('RCT009', 'Honeymoon Suite');
INSERT INTO Room_Category1 VALUES ('RCT010', 'Small Hall');
INSERT INTO Room_Category1 VALUES ('RCT011', 'Medium Hall');
INSERT INTO Room_Category1 VALUES ('RCT012', 'Large Hall');
INSERT INTO Room_Category1 VALUES ('RCT013', 'Extra Large Hall');
INSERT INTO Room_Category1 VALUES ('RCT014', 'Open Garden Hall');

Room_Category2:

INSERT INTO Room_Category2 VALUES('Deluxe',1,'Y',2000);
INSERT INTO Room_Category2 VALUES('Executive Deluxe',2,'Y',3000);
INSERT INTO Room_Category2 VALUES('Classic SAAR Deluxe',3,'Y',3500);
INSERT INTO Room_Category2 VALUES('Ambassador Deluxe',4,'Y',4500);
INSERT INTO Room_Category2 VALUES('SAAR Superior Deluxe',5,'Y',5000);

INSERT INTO Room_Category2 VALUES('Family Suite',6,'Y',5500);
INSERT INTO Room_Category2 VALUES('Luxury Suite',3,'Y',6000);
INSERT INTO Room_Category2 VALUES('Prestige Suite',2,'Y',8000);
INSERT INTO Room_Category2 VALUES('Honeymoon Suite',1,'Y',5000);
INSERT INTO Room_Category2 VALUES('Small Hall',0,'N',3000);
INSERT INTO Room_Category2 VALUES('Medium Hall',0,'Y',4000);
INSERT INTO Room_Category2 VALUES('Large Hall',0,'Y',6000);
INSERT INTO Room_Category2 VALUES('Extra Large Hall',0,'Y',7000);
INSERT INTO Room_Category2 VALUES('Open Garden Hall',0,'N',7500);

Room:

INSERT INTO Room VALUES (101,'Y','RCT001');
INSERT INTO Room VALUES (102,'Y','RCT001');
INSERT INTO Room VALUES (103,'Y','RCT001');
INSERT INTO Room VALUES (104,'Y','RCT001');
INSERT INTO Room VALUES (105,'Y','RCT001');
INSERT INTO Room VALUES (106,'N','RCT001');
INSERT INTO Room VALUES (107,'Y','RCT002');
INSERT INTO Room VALUES (108,'Y','RCT002');
INSERT INTO Room VALUES (109,'Y','RCT002');
INSERT INTO Room VALUES (110,'Y','RCT002');
INSERT INTO Room VALUES (201,'Y','RCT002');
INSERT INTO Room VALUES (202,'Y','RCT003');
INSERT INTO Room VALUES (203,'Y','RCT003');
INSERT INTO Room VALUES (204,'Y','RCT003');
INSERT INTO Room VALUES (205,'N','RCT003');
INSERT INTO Room VALUES (206,'Y','RCT003');
INSERT INTO Room VALUES (207,'Y','RCT003');
INSERT INTO Room VALUES (208,'Y','RCT004');
INSERT INTO Room VALUES (209,'Y','RCT004');
INSERT INTO Room VALUES (210,'N','RCT004');
INSERT INTO Room VALUES (301,'Y','RCT004');
INSERT INTO Room VALUES (302,'Y','RCT004');
INSERT INTO Room VALUES (303,'Y','RCT004');
INSERT INTO Room VALUES (304,'Y','RCT005');
INSERT INTO Room VALUES (305,'Y','RCT005');
INSERT INTO Room VALUES (306,'Y','RCT005');
INSERT INTO Room VALUES (307,'Y','RCT005');
INSERT INTO Room VALUES (308,'Y','RCT006');
INSERT INTO Room VALUES (309,'Y','RCT006');
INSERT INTO Room VALUES (310,'Y','RCT006');

INSERT INTO Room VALUES (401,'Y','RCT006');
INSERT INTO Room VALUES (402,'Y','RCT006');
INSERT INTO Room VALUES (403,'Y','RCT006');
INSERT INTO Room VALUES (404,'Y','RCT007');
INSERT INTO Room VALUES (405,'Y','RCT007');
INSERT INTO Room VALUES (406,'Y','RCT007');
INSERT INTO Room VALUES (407,'Y','RCT007');
INSERT INTO Room VALUES (408,'Y','RCT007');
INSERT INTO Room VALUES (409,'Y','RCT007');
INSERT INTO Room VALUES (410,'Y','RCT007');
INSERT INTO Room VALUES (501,'Y','RCT008');
INSERT INTO Room VALUES (502,'Y','RCT008');
INSERT INTO Room VALUES (503,'Y','RCT008');
INSERT INTO Room VALUES (504,'Y','RCT008');
INSERT INTO Room VALUES (505,'Y','RCT008');
INSERT INTO Room VALUES (506,'Y','RCT009');
INSERT INTO Room VALUES (507,'Y','RCT009');
INSERT INTO Room VALUES (508,'Y','RCT009');
INSERT INTO Room VALUES (509,'Y','RCT009');
INSERT INTO Room VALUES (510,'Y','RCT009');
INSERT INTO Room VALUES (11,'Y','RCT010');
INSERT INTO Room VALUES (12,'Y','RCT011');
INSERT INTO Room VALUES (13,'Y','RCT012');
INSERT INTO Room VALUES (14,'Y','RCT013');
INSERT INTO Room VALUES (10,'Y','RCT014');

Guest:

INSERT INTO Guest VALUES ('GUD001','Ratan Agarwal','M',35,9857563389,'BHOPAL, MADHYA PRADESH', 102,'Police',0, 'DIS0001', TIMESTAMP '2019-07-12 14:00:00', TIMESTAMP '2019-07-25 07:00:00');
INSERT INTO Guest VALUES ('GUD002','Nikhar Ganhwar','M',67,6578899341,'CHENNAI, TAMIL NADU', 104,'Doctor (General)',1, 'DIS0003', TIMESTAMP '2019-11-03 00:00:00', TIMESTAMP '2019-11-03 08:00:00');
INSERT INTO Guest VALUES ('GUD003','Naruto Uzumaki','M',22,8709004567,'BHUBANESHWAR, ORRISA', 205,'Software Engineer',0, NULL, TIMESTAMP '2019-07-13 15:00:00', TIMESTAMP '2019-08-01 20:00:00');
INSERT INTO Guest VALUES ('GUD004','Arnab Poddar','M',45,9867003345,'KOHIMA, NAGALAND', 310,'Police',2, 'DIS0001', TIMESTAMP '2019-11-02 23:00:00', TIMESTAMP '2019-11-27 11:00:00');
INSERT INTO Guest VALUES ('GUD005','Ai Hayasaka','F',19,9845001200,'LUCKNOW, UTTAR PRADESH', 502,'Student',2, NULL, TIMESTAMP '2019-01-03 11:10:00', TIMESTAMP '2019-02-01 07:00:00');
INSERT INTO Guest VALUES ('GUD006','Ramesh Kumar','M',49,9000221145,'DEHRADUN, UTTARKHAND', 305,'Businessman',0, 'DIS0005', TIMESTAMP '2019-09-12 09:50:00', TIMESTAMP '2019-09-18 14:30:00');
INSERT INTO Guest VALUES ('GUD007','Shresth Sharma','M',69,6900456733,'FARIDABAD, UTTRA PRADESH', 306,'Doctor (Cardiologist)',0, 'DIS0003', TIMESTAMP '2019-09-28 21:40:00', TIMESTAMP '2019-10-03 17:00:00');
INSERT INTO Guest VALUES ('GUD008','Mikasa Ackerman','F',20,8796678780,'GANGTOK, SIKKIM', 103,'Student',0, NULL, TIMESTAMP '2019-01-23 14:00:00', TIMESTAMP '2019-01-30 01:30:00');

INSERT INTO Guest VALUES ('GUD009','Neha Mehra','F',33,7800996811,'RAJKOT, GUJARAT', 106,'Sportsman',0, 'DIS0002', TIMESTAMP '2019-03-10 16:37:00', TIMESTAMP '2019-03-12 23:45:00');

INSERT INTO Guest VALUES ('GUD010','Erza Scarlet','F',20,8795567672,'VARANASI, UTTAR PRADESH', 203,'Student',1, NULL, TIMESTAMP '2019-02-14 18:55:00', TIMESTAMP '2019-02-15 12:32:00');

INSERT INTO Guest VALUES ('GUD011','ANMOL SRINIVAS','M',69,8878065111,'NAGPUR, MAHARSHTRA', 410,'Doctor (ENT)',2, 'DIS0003', TIMESTAMP '2019-11-29 18:10:00', TIMESTAMP '2019-12-06 10:20:00');

INSERT INTO Guest VALUES ('GUD012','KRISHNAV BIYANI','M',70,9876543210,'SHIMLA, JAMMU AND KASHMIR', 204,'Doctor (Surgeon)',1, 'DIS0003', TIMESTAMP '2019-12-12 10:30:00', TIMESTAMP '2019-12-24 11:40:00');

INSERT INTO Guest VALUES ('GUD013','ANSHUL BANSAL','M',56,7685675432,'GURGAON, HARYANA', 303,'Police',0, 'DIS0001', TIMESTAMP '2019-01-15 15:35:00', TIMESTAMP '2019-01-23 14:00:00');

INSERT INTO Guest VALUES ('GUD014','NIKHIL ANAND','M',45,9878654231,'HYDERABAD, TIRANGANA', 405,'Electrical engineer',1, 'DIS0002', TIMESTAMP '2019-02-25 18:20:00', TIMESTAMP '2019-02-28 10:00:00');

INSERT INTO Guest VALUES ('GUD015','SOURABH BHAGAT','M',19,8989876987,'KANPUR, UTTAR PRADESH', 306,'Student',1, NULL, TIMESTAMP '2019-03-24 17:25:00', TIMESTAMP '2019-03-27 18:27:00');

INSERT INTO Guest VALUES ('GUD016','ASHISH BHATT','M',25,9878767654,'VELLORE, TAMIL NADU', 501,'Sportsman',1, NULL, TIMESTAMP '2019-10-12 07:20:00', TIMESTAMP '2019-10-26 14:45:00');

INSERT INTO Guest VALUES ('GUD017','SAMEER MATTA','M',67,8767656543,'OOTY, TAMIL NADU', 106,'Police',0, 'DIS0001', TIMESTAMP '2019-10-12 05:00:00', TIMESTAMP '2019-10-25 06:00:00');

INSERT INTO Guest VALUES ('GUD018','MOHIT MITTAL','M',45,9767658765,'MUMBAI, MAHARASHTRA', 104,'Businessman',0, NULL, TIMESTAMP '2019-12-02 13:55:00', TIMESTAMP '2019-12-20 08:00:00');

INSERT INTO Guest VALUES ('GUD019','AKSHIT RATHORE','M',34,9768765645,'JODHPUR, RAJASTHAN', 102,'Sportsman',0, NULL, TIMESTAMP '2019-11-05 15:35:00', TIMESTAMP '2019-11-14 01:00:00');

INSERT INTO Guest VALUES ('GUD020','TUSHAR SHARMA','M',35,9876542315,'UPAIDUR, RAJASTHAN', 504,'Architect',0, NULL, TIMESTAMP '2019-05-01 09:30:00', null);

INSERT INTO Guest VALUES ('GUD021','AKHAT SONI','M',23,8564213789,'UJJAIN, MADHYA PRADESH', 505,'Student',0, NULL, TIMESTAMP '2019-11-23 14:10:00', TIMESTAMP '2019-11-28 22:00:00');

INSERT INTO Guest VALUES ('GUD022','ANURAG SETHI','M',29,8547961235,'WARANGAL, TEELANGANA', 310,'Doctor (Dentist)',2, 'DIS0003', TIMESTAMP '2019-12-05 17:30:00', TIMESTAMP '2019-12-10 19:48:00');

INSERT INTO Guest VALUES ('GUD023','ANKIT RAMRAKHIYANI','M',76,8526314526,'CALICUT, KERALA', 210,'Businessman',0, NULL, TIMESTAMP '2019-12-08 06:00:00', TIMESTAMP '2019-12-17 03:00:00');

INSERT INTO Guest VALUES ('GUD024','ACHAL MEHTA','F',35,7754896123,'NAGPUR, MAHARSHTRA', 301,'Police',0, 'DIS0001', TIMESTAMP '2019-05-31 15:20:00', null);

INSERT INTO Guest VALUES ('GUD025','AKSHAY BHAGWANI','M',29,7731254896,'RAIPUR, CHHATTISGARH', 501,'Architect',2, NULL, TIMESTAMP '2019-01-16 22:40:00', TIMESTAMP '2019-01-20 17:40:00');

INSERT INTO Guest VALUES ('GUD026','RAHUL KAPOOR','M',40,9856472365,'SHILONG, MEGHALAYA', 101,'Businessman',0, 'DIS0005', TIMESTAMP '2019-12-28 14:45:00', TIMESTAMP '2020-01-01 07:20:00');

INSERT INTO Guest VALUES ('GUD027','SHAHID SHEIKH','M',60,9875462145,'JAMSHEDPUR, JHARKHAND', 106,'Doctor (Ayurvedic)',3, 'DIS0003', TIMESTAMP '2019-01-30 18:28:00', TIMESTAMP '2019-02-05 17:10:00');

INSERT INTO Guest VALUES ('GUD028','KUNAL MAKHIJA','M',45,9875485476,'JALANDAR, PUNJAB', 107,'Software Engineer',1, NULL, TIMESTAMP '2019-05-07 10:19:00', TIMESTAMP '2019-05-19 09:10:00');

INSERT INTO Guest VALUES ('GUD029','AMAN PUROHIT','M',48,7658945213,'LUDHIANA, PUNJAB', 509,'Electrical engineer',2, 'DIS0002', TIMESTAMP '2019-02-06 20:55:00', null);

Dept_Manage:

INSERT INTO Dept_Manage VALUES ('EMP122','DEP001', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP123','DEP002', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP124','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('06-06-2019','dd-mm-yyyy'));
INSERT INTO Dept_Manage VALUES ('EMP130','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP131','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP140','DEP006', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('05-09-2019','dd-mm-yyyy'));
INSERT INTO Dept_Manage VALUES ('EMP141','DEP007', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP113','DEP008', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP114','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP127','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP128','DEP003', TO_DATE('06-06-2019','dd-mm-yyyy'), null);
INSERT INTO Dept_Manage VALUES ('EMP129','DEP006', TO_DATE('05-09-2019','dd-mm-yyyy'), null);

Facility_Mgr:

INSERT INTO Facility_Mgr VALUES ('FAC0001','EMP104', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('19-07-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0002','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0003','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0004','EMP114', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('18-10-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0005','EMP117', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0006','EMP134', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0007','EMP146', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('29-09-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0008','EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0009','EMP110', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0010','EMP118', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('23-02-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0011','EMP124', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0012','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0013','EMP137', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('04-12-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0014','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0015','EMP143', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('09-04-2019','dd-mm-yyyy'));
INSERT INTO Facility_Mgr VALUES ('FAC0016','EMP129', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0001','EMP118', TO_DATE('19-07-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0004','EMP129', TO_DATE('12-05-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0007','EMP140', TO_DATE('29-09-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0010','EMP140', TO_DATE('23-02-2019','dd-mm-yyyy'), null);

INSERT INTO Facility_Mgr VALUES ('FAC0013','EMP140', TO_DATE('04-12-2019','dd-mm-yyyy'), null);
INSERT INTO Facility_Mgr VALUES ('FAC0015','EMP142', TO_DATE('09-04-2019','dd-mm-yyyy'), null);

Room_Mgr:

INSERT INTO Room_Mgr VALUES (101 ,'EMP138', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('06-03-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (102 ,'EMP138', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (103 ,'EMP138', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (104 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('25-05-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (105 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (106 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (107 ,'EMP147', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('30-04-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (108 ,'EMP147', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (109 ,'EMP147', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (110 ,'EMP129', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (201 ,'EMP129', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('26-08-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (202 ,'EMP129', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (203 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (204 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (205 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('12-07-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (206 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (207 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (208 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (209 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('28-02-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (210 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (301 ,'EMP119', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (302 ,'EMP119', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (303 ,'EMP119', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (304 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('17-09-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (305 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (306 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (307 ,'EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES (308 ,'EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('01-06-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES (309 ,'EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), null);

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INSERT INTO Room_Mgr VALUES ( 310 ,'EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 401 ,'EMP150', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 402 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 403 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 404 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('10-08-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES ( 405 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 406 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 407 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 408 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 409 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('18-03-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES ( 410 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 501 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 502 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 503 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 504 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('12-05-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES ( 505 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 506 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 507 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 508 ,'EMP107', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 509 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 510 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('25-04-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES ( 10 ,'EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 11 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 12 ,'EMP106', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 13 ,'EMP119', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 14 ,'EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('16-09-2019','dd-mm-yyyy'));
INSERT INTO Room_Mgr VALUES ( 101 ,'EMP119', TO_DATE('06-03-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 104 ,'EMP113', TO_DATE('25-05-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 107 ,'EMP150', TO_DATE('30-04-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 201 ,'EMP107', TO_DATE('26-08-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 205 ,'EMP107', TO_DATE('12-07-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 209 ,'EMP140', TO_DATE('28-02-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 304 ,'EMP138', TO_DATE('17-09-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 308 ,'EMP147', TO_DATE('01-06-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 404 ,'EMP129', TO_DATE('10-08-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 409 ,'EMP106', TO_DATE('18-03-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 504 ,'EMP107', TO_DATE('12-05-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Mgr VALUES ( 510 ,'EMP119', TO_DATE('25-04-2019','dd-mm-yyyy'), null);
```

INSERT INTO Room_Mgr VALUES (14 ,'EMP119', TO_DATE('16-09-2019','dd-mm-yyyy'), null);

Room_Cat_Mgr:

INSERT INTO Room_Cat_Mgr VALUES ('RCT001','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('12-05-2019','dd-mm-yyyy'));
INSERT INTO Room_Cat_Mgr VALUES ('RCT002','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT003','EMP124', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('15-08-2019','dd-mm-yyyy'));
INSERT INTO Room_Cat_Mgr VALUES ('RCT004','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT005','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT006','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('13-07-2019','dd-mm-yyyy'));
INSERT INTO Room_Cat_Mgr VALUES ('RCT007','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT008','EMP113', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT009','EMP114', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('10-03-2019','dd-mm-yyyy'));
INSERT INTO Room_Cat_Mgr VALUES ('RCT010','EMP127', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT011','EMP128', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('29-08-2019','dd-mm-yyyy'));
INSERT INTO Room_Cat_Mgr VALUES ('RCT012','EMP125', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT001','EMP110', TO_DATE('12-05-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT003','EMP149', TO_DATE('15-08-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT006','EMP101', TO_DATE('13-07-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT009','EMP117', TO_DATE('10-03-2019','dd-mm-yyyy'), null);
INSERT INTO Room_Cat_Mgr VALUES ('RCT011','EMP126', TO_DATE('29-08-2019','dd-mm-yyyy'), null);

Emp_Superv:

INSERT INTO Emp_Superv VALUES ('EMP101','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP102','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP103','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP104','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP105','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP106','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP107','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP108','EMP122', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP109','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('01-06-2019','dd-mm-yyyy'));
INSERT INTO Emp_Superv VALUES ('EMP110','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP111','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP112','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP113','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);

INSERT INTO Emp_Superv VALUES ('EMP114','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP115','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP116','EMP123', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP117','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP118','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP119','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP120','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP121','EMP140', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('09-08-2019','dd-mm-yyyy'));
INSERT INTO Emp_Superv VALUES ('EMP124','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP125','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP126','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP127','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP128','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP129','EMP141', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP132','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP133','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP134','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP135','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP136','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP137','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP138','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP139','EMP130', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP142','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('09-08-2019','dd-mm-yyyy'));
INSERT INTO Emp_Superv VALUES ('EMP143','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP144','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP145','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP146','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP147','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP148','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP149','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP150','EMP131', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP121','EMP130', TO_DATE('09-08-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Superv VALUES ('EMP109','EMP130', TO_DATE('01-06-2019','dd-mm-yyyy'), null);

Uses:

INSERT INTO Uses VALUES ('GUD001','FAC0001', TIMESTAMP'2019-07-12 15:00:00', 5.0);
INSERT INTO Uses VALUES ('GUD002','FAC0002', TIMESTAMP'2019-11-03 05:00:00', 2.0);
INSERT INTO Uses VALUES ('GUD003','FAC0003', TIMESTAMP'2019-07-13 16:00:00', 3.0);
INSERT INTO Uses VALUES ('GUD004','FAC0004', TIMESTAMP'2019-11-03 08:00:00', 4.0);

INSERT INTO Uses VALUES ('GUD005','FAC0005', TIMESTAMP'2019-01-03 12:00:00', 1.0);
INSERT INTO Uses VALUES ('GUD006','FAC0006', TIMESTAMP'2019-09-12 10:00:00', 3.0);
INSERT INTO Uses VALUES ('GUD007','FAC0007', TIMESTAMP'2019-09-28 21:40:00', 6.0);
INSERT INTO Uses VALUES ('GUD008','FAC0008', TIMESTAMP'2019-01-24 08:00:00', 2.0);
INSERT INTO Uses VALUES ('GUD009','FAC0009', TIMESTAMP'2019-03-10 17:37:00', 4.0);
INSERT INTO Uses VALUES ('GUD010','FAC0010', TIMESTAMP'2019-02-15 08:55:00', 7.0);
INSERT INTO Uses VALUES ('GUD011','FAC0011', TIMESTAMP'2019-11-30 19:10:00', 2.0);
INSERT INTO Uses VALUES ('GUD012','FAC0012', TIMESTAMP'2019-12-12 12:30:00', 3.0);
INSERT INTO Uses VALUES ('GUD013','FAC0013', TIMESTAMP'2019-01-15 15:35:00', 1.0);
INSERT INTO Uses VALUES ('GUD014','FAC0014', TIMESTAMP'2019-02-26 20:20:00', 3.0);
INSERT INTO Uses VALUES ('GUD015','FAC0015', TIMESTAMP'2019-03-24 19:25:00', 1.0);
INSERT INTO Uses VALUES ('GUD016','FAC0016', TIMESTAMP'2019-10-12 10:02:00', 4.0);
INSERT INTO Uses VALUES ('GUD017','FAC0001', TIMESTAMP'2019-10-12 09:00:00', 6.0);
INSERT INTO Uses VALUES ('GUD018','FAC0005', TIMESTAMP'2019-12-02 19:55:00', 7.0);
INSERT INTO Uses VALUES ('GUD019','FAC0011', TIMESTAMP'2019-11-06 19:24:00', 3.0);
INSERT INTO Uses VALUES ('GUD020','FAC0012', TIMESTAMP'2019-05-01 10:23:00', 4.0);
INSERT INTO Uses VALUES ('GUD001','FAC0004', TIMESTAMP'2019-07-12 19:00:00', 3.0);
INSERT INTO Uses VALUES ('GUD005','FAC0010', TIMESTAMP'2019-01-04 10:00:00', 2.0);
INSERT INTO Uses VALUES ('GUD012','FAC0007', TIMESTAMP'2019-12-13 04:00:00', 1.0);

Orders:

INSERT INTO Orders VALUES ('GUD005','FOD0001',TIMESTAMP'2019-01-05 11:10:00', 2);
INSERT INTO Orders VALUES ('GUD020','FOD0010',TIMESTAMP'2019-05-02 09:30:00', 1);
INSERT INTO Orders VALUES ('GUD001','FOD0008',TIMESTAMP'2019-07-13 14:00:00', 3);
INSERT INTO Orders VALUES ('GUD026','FOD0019',TIMESTAMP'2019-12-31 14:45:00', 4);
INSERT INTO Orders VALUES ('GUD002','FOD0015',TIMESTAMP'2019-11-05 05:00:00', 2);
INSERT INTO Orders VALUES ('GUD005','FOD0006',TIMESTAMP'2019-01-05 11:10:00', 1);
INSERT INTO Orders VALUES ('GUD008','FOD0011',TIMESTAMP'2019-01-28 14:00:00', 1);
INSERT INTO Orders VALUES ('GUD020','FOD0018',TIMESTAMP'2019-05-02 09:30:00', 1);
INSERT INTO Orders VALUES ('GUD011','FOD0019',TIMESTAMP'2019-12-02 18:10:00', 2);
INSERT INTO Orders VALUES ('GUD015','FOD0002',TIMESTAMP'2019-03-26 17:25:00', 3);
INSERT INTO Orders VALUES ('GUD023','FOD0011',TIMESTAMP'2019-12-10 06:00:00', 2);
INSERT INTO Orders VALUES ('GUD014','FOD0012',TIMESTAMP'2019-02-27 18:20:00', 1);
INSERT INTO Orders VALUES ('GUD025','FOD0020',TIMESTAMP'2019-01-18 22:40:00', 1);
INSERT INTO Orders VALUES ('GUD001','FOD0014',TIMESTAMP'2019-07-13 14:00:00', 1);

Emp_Work:

INSERT INTO Emp_Work VALUES ('EMP101','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP102','DEP002', TO_DATE('01-01-2019','dd-mm-yyyy'), null);

INSERT INTO Emp_Work VALUES ('EMP103','DEP002', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('06-06-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP104','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP105','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP106','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('05-09-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP107','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP108','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP109','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP110','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('05-08-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP111','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP112','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP113','DEP007', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP114','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('25-05-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP115','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP116','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP117','DEP002', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP118','DEP008', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP119','DEP007', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('20-06-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP120','DEP001', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP121','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP122','DEP001', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP123','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP124','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('15-04-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP125','DEP007', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP126','DEP008', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP127','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP128','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('01-09-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP129','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP130','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP131','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP132','DEP006', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP133','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP134','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('30-03-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP135','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP136','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP137','DEP010', TO_DATE('01-01-2019','dd-mm-yyyy'), null);

INSERT INTO Emp_Work VALUES ('EMP138','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP139','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('10-08-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP140','DEP005', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP141','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP142','DEP001', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP143','DEP003', TO_DATE('17-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP144','DEP009', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP145','DEP003', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('19-02-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP146','DEP001', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP147','DEP004', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP148','DEP002', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP149','DEP006', TO_DATE('01-01-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP150','DEP007', TO_DATE('01-01-2019','dd-mm-yyyy'), TO_DATE('07-06-2019','dd-mm-yyyy'));
INSERT INTO Emp_Work VALUES ('EMP110','DEP002', TO_DATE('05-08-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP114','DEP005', TO_DATE('25-05-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP119','DEP001', TO_DATE('20-06-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP124','DEP003', TO_DATE('15-04-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP128','DEP010', TO_DATE('01-09-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP134','DEP007', TO_DATE('30-03-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP139','DEP008', TO_DATE('10-08-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP145','DEP009', TO_DATE('19-02-2019','dd-mm-yyyy'), null);
INSERT INTO Emp_Work VALUES ('EMP150','DEP004', TO_DATE('07-06-2019','dd-mm-yyyy'), null);

Bill:

INSERT INTO Bill VALUES (1 , 26185.0 , TIMESTAMP '2019-07-25 07:00:00','GUD001','Credit Card');
INSERT INTO Bill VALUES (2 , 3200.0 , TIMESTAMP '2019-11-03 08:00:00','GUD002','Cash');
INSERT INTO Bill VALUES (3 , 63500 , TIMESTAMP '2019-08-01 20:00:00','GUD003','Debit Card');
INSERT INTO Bill VALUES (4 , 104100 , TIMESTAMP '2019-11-27   11:00:00','GUD004','Credit Card');
INSERT INTO Bill VALUES (5 , 240190 , TIMESTAMP '2019-02-01 07:00:00','GUD005','Debit Card');
INSERT INTO Bill VALUES (6 , 30900 , TIMESTAMP '2019-09-18 14:30:00','GUD006','UPI');
INSERT INTO Bill VALUES (7 , 42000 , TIMESTAMP '2019-10-03 17:00:00','GUD007','Debit Card');
INSERT INTO Bill VALUES (8 , 14830 , TIMESTAMP '2019-01-30 01:30:00','GUD008','UPI');
INSERT INTO Bill VALUES (9 , 12000 , TIMESTAMP '2019-03-12 23:45:00','GUD009','Credit Card');
INSERT INTO Bill VALUES (10 , 12400 , TIMESTAMP '2019-02-15 12:32:00','GUD010','Cash');
INSERT INTO Bill VALUES (11 , 27495 , TIMESTAMP '2019-12-06 10:20:00','GUD011','Debit Card');
INSERT INTO Bill VALUES (12 , 15199 , TIMESTAMP '2019-12-24 11:40:00','GUD012','UPI');
INSERT INTO Bill VALUES (13 , 20263 , TIMESTAMP '2019-01-23 14:00:00','GUD013','Credit Card');
INSERT INTO Bill VALUES (14 , 22407 , TIMESTAMP '2019-02-28 10:00:00','GUD014','UPI');
INSERT INTO Bill VALUES (15 , 109000 , TIMESTAMP '2019-03-27 18:27:00','GUD015','Credit Card');

INSERT INTO Bill VALUES (16 , 30151 , TIMESTAMP '2019-10-26 14:45:00','GUD016','Cash');
INSERT INTO Bill VALUES (17 , 14607 , TIMESTAMP '2019-10-25 06:00:00','GUD017','UPI');
INSERT INTO Bill VALUES (18 , 28831 , TIMESTAMP '2019-12-20 08:00:00','GUD018','Debit Card');
INSERT INTO Bill VALUES (19 , 120000 , TIMESTAMP '2019-11-14 01:00:00','GUD019','Debit Card');
INSERT INTO Bill VALUES (20 , 24710 , TIMESTAMP '2019-11-28 22:00:00','GUD021','Debit Card');
INSERT INTO Bill VALUES (21 , 150000 , TIMESTAMP '2019-12-10 19:48:00','GUD022','UPI');
INSERT INTO Bill VALUES (22 , 30429 , TIMESTAMP '2019-12-17 03:00:00','GUD023','Credit Card');
INSERT INTO Bill VALUES (23 , 155000 , TIMESTAMP '2019-01-20 17:40:00','GUD025','UPI');
INSERT INTO Bill VALUES (24 , 16183 , TIMESTAMP '2020-01-01 07:20:00','GUD026','Credit Card');
INSERT INTO Bill VALUES (25 , 32038 , TIMESTAMP '2019-02-05 17:10:00','GUD027','UPI');
INSERT INTO Bill VALUES (26 , 23357 , TIMESTAMP '2019-05-19 09:10:00','GUD028','Debit Card');

Stock1:

INSERT INTO STOCK1 VALUES ('SID001', 'Potatoes');
INSERT INTO STOCK1 VALUES ('SID002', 'Onions');
INSERT INTO STOCK1 VALUES ('SID003', 'Lathis');
INSERT INTO STOCK1 VALUES ('SID004', 'Cameras');
INSERT INTO STOCK1 VALUES ('SID005', 'Telephone');
INSERT INTO STOCK1 VALUES ('SID006', 'Cleaning liquid');
INSERT INTO STOCK1 VALUES ('SID007', 'Mops');
INSERT INTO STOCK1 VALUES ('SID008', 'Disinfectant');
INSERT INTO STOCK1 VALUES ('SID009', 'Wafers');
INSERT INTO STOCK1 VALUES ('SID010', 'Water bottles');

Stock2:

INSERT INTO STOCK2 VALUES ('Potatoes', 100, 'kg', 'DEP008');
INSERT INTO STOCK2 VALUES ('Onions', 100, 'kg', 'DEP008');
INSERT INTO STOCK2 VALUES ('Lathis', 10, 'number', 'DEP006');
INSERT INTO STOCK2 VALUES ('Cameras', 10, 'number', 'DEP006');
INSERT INTO STOCK2 VALUES ('Telephone', 50, 'number', 'DEP009');
INSERT INTO STOCK2 VALUES ('Cleaning liquid', 20, 'bottles', 'DEP002');
INSERT INTO STOCK2 VALUES ('Mops', 7, 'number', 'DEP002');
INSERT INTO STOCK2 VALUES ('Disinfectant', 20, 'bottles', 'DEP002');
INSERT INTO STOCK2 VALUES ('Wafers', 200, 'packets', 'DEP003');
INSERT INTO STOCK2 VALUES ('Water bottles', 500, 'bottles', 'DEP003');

Fine:

INSERT INTO Fine VALUES('FIN0001','Window Glass Break',3000,'GUD001');
INSERT INTO Fine VALUES('FIN0002','Damage to Television',8000,'GUD005');
INSERT INTO Fine VALUES('FIN0003','Losing your Key',2000,'GUD019');
INSERT INTO Fine VALUES('FIN0004','Smoking',500,'GUD010');

INSERT INTO Fine VALUES('FIN0005','Breaking of Dining Plates',2500,'GUD028');

INSERT INTO Fine VALUES('FIN0006','Mirror Broke',3000,'GUD026');

INSERT INTO Fine VALUES('FIN0007','Damage to Fridge',8000,'GUD025');

INSERT INTO Fine VALUES('FIN0008','Losing your Key',2000,'GUD022');

INSERT INTO Fine VALUES('FIN0009','Smoking',500,'GUD019');

INSERT INTO Fine VALUES('FIN0010','Alcohol in Restricted Areas',1000,'GUD018');

INSERT INTO Fine VALUES('FIN0011','Window Glass Break',3000,'GUD023');

INSERT INTO Fine VALUES('FIN0012','Damage to AC',8000,'GUD011');

INSERT INTO Fine VALUES('FIN0013','Alcohol in Public Areas',2000,'GUD014');

Discount:

INSERT INTO Discount VALUES ('DIS0001','Government Worker', 5);

INSERT INTO Discount VALUES ('DIS0002','Promotional Offer', 10);

INSERT INTO Discount VALUES ('DIS0003','Doctor', 15);

INSERT INTO Discount VALUES ('DIS0004','Army Officer', 20);

INSERT INTO Discount VALUES ('DIS0005','Hotel Membership', 5);

Queries:

1. Display all the vacant rooms

```
SELECT *
 FROM Room
WHERE Vacant = 'Y';
```

```
1    SELECT * FROM Room WHERE Vacant = 'Y';
```

ROOM_NO	VACANT	CATEGORY_ID
101	Y	RCT001
102	Y	RCT001
103	Y	RCT001
104	Y	RCT001
105	Y	RCT001
107	Y	RCT002
108	Y	RCT002
109	Y	RCT002
110	Y	RCT002
201	Y	RCT002
202	Y	RCT003
203	Y	RCT003
204	Y	RCT003
206	Y	RCT003
207	Y	RCT003
208	Y	RCT004
209	Y	RCT004
301	Y	RCT004
302	Y	RCT004
303	Y	RCT004
304	Y	RCT005
305	Y	RCT005
306	Y	RCT005
307	Y	RCT005
308	Y	RCT006
309	Y	RCT006

2. Display the details of all Guests staying in the hotel now

Select *

FROM Guest

WHERE Check_Out_Date_Time IS NULL;

```
1   Select *
2   FROM Guest
3   WHERE Check_Out_Date_Time IS NULL;
4   |
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD020	TUSHAR SHARMA	M	35	9876542315	UPAIDUR, RAJASTHAN	504	Architect	0	-	01-MAY-19 09.30.00.000000 AM	-
GUD024	ACHAL MEHTA	F	35	7754896123	NAGPUR, MAHARSHTRA	301	Police	0	DIS0001	31-MAY-19 03.20.00.000000 PM	-
GUD029	AMAN PUROHIT	M	48	7658945213	LUDHIANA, PUNJAB	509	Electrical engineer	2	DIS0002	06-FEB-19 08.55.00.000000 PM	-

Download CSV
3 rows selected.

3. Display the details of all Guests residing between 1st August 2019 and 1st December 2019.

SELECT *

FROM Guest

WHERE Check_In_Date_Time > DATE'2019-08-01' AND Check_In_Date_Time < DATE'2019-12-01';

```
1   SELECT *
2   FROM Guest
3   WHERE Check_In_Date_Time > DATE'2019-08-01' AND Check_In_Date_Time < DATE'2019-12-01';
4   |
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD002	Nikhar Ganhwar	M	67	6578899341	CHENNAI, TAMIL NADU	104	Doctor (General)	1	DIS0003	03-NOV-19 12.00.00.000000 AM	03-NOV-19 08.00.00.000000 AM
GUD004	Arnab Poddar	M	45	9867003345	KOHIMA, NAGALAND	310	Police	2	DIS0001	02-NOV-19 11.00.00.000000 PM	27-NOV-19 11.00.00.000000 AM
GUD006	Ramesh Kumar	M	49	9000221145	DEHRADUN, UTTARKHAND	305	Businessman	0	DIS0005	12-SEP-19 09.50.00.000000 AM	18-SEP-19 02.30.00.000000 PM
GUD007	Shresth Sharma	M	69	6900456733	FARIDABAD, UTTRA PRADESH	306	Doctor (Cardiologist)	0	DIS0003	28-SEP-19 09.40.00.000000 PM	03-OCT-19 05.00.00.000000 PM
GUD011	ANMOL SRINIVAS	M	69	8878065111	NAGPUR, MAHARSHTRA	410	Doctor (ENT)	2	DIS0003	29-NOV-19 06.10.00.000000 PM	06-DEC-19 10.20.00.000000 AM
GUD016	ASHISH BHATT	M	25	9878767654	VELLORE, TAMIL NADU	501	Sportsman	1	-	12-OCT-19 07.20.00.000000 AM	26-OCT-19 02.45.00.000000 PM
GUD017	SAMEER MATTA	M	67	8767656543	OOTY, TAMIL NADU	106	Police	0	DIS0001	12-OCT-19 05.00.00.000000 AM	25-OCT-19 06.00.00.000000 AM
GUD019	AKSHIT RATHORE	M	34	9768765645	JODHPUR, RAJASTHAN	102	Sportsman	0	-	05-NOV-19 03.35.00.000000 AM	14-NOV-19 01.00.00.000000 AM
GUD021	AKHAT SONI	M	23	8564213789	UJJAIN, MADHYA PRADESH	505	Student	0	-	23-NOV-19 02.10.00.000000 PM	28-NOV-19 10.00.00.000000 PM

Download CSV
9 rows selected.

4. Display the name and contact number of guests who have used the table tennis facility.

SELECT *

FROM Guest

 WHERE Guest_ID IN

(SELECT Guest_ID

FROM Uses

WHERE Facility_ID IN

(SELECT Facility_ID

FROM Facility

WHERE Name = 'Table Tennis'));

```
1   SELECT *
2   FROM Guest
3    WHERE Guest_ID IN
4   (SELECT Guest_ID
5   FROM Uses
6   WHERE Facility_ID IN
7   (SELECT Facility_ID
8   FROM Facility1
9   WHERE Name = 'Table Tennis'));
10
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD001	Ratan Agarwal	M	35	9857563389	BHOPAL, MADHYA PRADESH	102	Police	0	DIS0001	12-JUL-19 02.00.00.000000 PM	25-JUL-19 07.00.00.000000 AM
GUD004	Arnab Poddar	M	45	9867003345	KOHIMA, NAGALAND	310	Police	2	DIS0001	02-NOV-19 11.00.00.000000 PM	27-NOV-19 11.00.00.000000 AM

Download CSV
2 rows selected.

5. Display the facilities used by guest id GUD003.

SELECT Name

FROM Facility

WHERE Facility_ID IN

(SELECT Facility_ID

FROM Uses

WHERE Guest_ID = 'GUD003');

```
1   SELECT Name
2   FROM Facility1
3   WHERE Facility_ID IN
4   (SELECT Facility_ID
5   FROM Uses
6   WHERE Guest_ID = 'GUD003');
7
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD001	Ratan Agarwal	M	35	9857563389	BHOPAL, MADHYA PRADESH	102	Police	0	DIS0001	12-JUL-19 02.00.00.000000 PM	25-JUL-19 07.00.00.000000 AM
GUD004	Arnab Poddar	M	45	9867003345	KOHIMA, NAGALAND	310	Police	2	DIS0001	02-NOV-19 11.00.00.000000 PM	27-NOV-19 11.00.00.000000 AM

Download CSV
2 rows selected.

6. Display the food ordered by guest id GUD001.

SELECT Item

FROM Food

WHERE Food_ID in

(SELECT Food_ID

FROM Orders

WHERE Guest_ID = 'GUD001');

```
1    SELECT Item
2    FROM Food1
3    WHERE Food_ID in
4    (SELECT Food_ID
5    FROM Orders
6    WHERE Guest_ID = 'GUD001');
7    |
```

ITEM
Pulao
Mocktail

Download CSV
2 rows selected.

7. Display details of all the senior citizens who have stayed in hotel.

SELECT name

FROM guest

WHERE age>60 ;

```
1    SELECT name
2    FROM guest
3    WHERE age>60 ;
4    |
```

NAME
Nikhar Ganhwar
Shresth Sharma
ANMOL SRINIVAS
KRISHNAV BIYANI
SAMEER MATTA
ANKIT RAMRAKHIYANI

Download CSV
6 rows selected.

8. Display the details of the guest who having the maximum bill amount.

SELECT Name

FROM Guest

WHERE Guest_ID =

(SELECT Guest_ID

FROM Bill

WHERE amount =

(SELECT MAX(amount)

FROM Bill));

```
1    SELECT Name
2    FROM Guest
3    WHERE Guest_ID =
4    (SELECT Guest_ID
5    FROM Bill
6    WHERE amount =
7    (SELECT MAX(amount)
8    FROM Bill));
9    |
```

NAME
Ai Hayasaka

Download CSV

9. Display the details of female employees having salary greater than 50000.

SELECT * FROM Employee

WHERE Sex = 'F' AND SALARY> 50000;

```
1    SELECT * FROM Employee
2    WHERE Sex = 'F' AND SALARY> 50000;
3    |
```

EMP_ID	FIRST_NAME	LAST_NAME	AGE	SEX	SALARY	PHONE_NO	EMAIL
EMP134	Sandeepa	Choudhury	80	F	75000	9974917482	saar134@saar.co.in
EMP135	Sonali	Panda	43	F	130000	7934153449	saar135@saar.co.in
EMP136	Swamita	Gupta	82	F	100000	9098970767	saar136@saar.co.in
EMP143	Sanat	Dash	43	F	135000	8724788703	saar143@saar.co.in
EMP147	Agniva	Basak	71	F	145000	9465361960	saar147@saar.co.in
EMP149	Sushir	Patra	28	F	95000	7297980204	saar149@saar.co.in

Download CSV
6 rows selected.

10. Display the details of all employees who are supervised by employee having id EMP123.

SELECT * FROM Emp_Superv

WHERE Superv_ID = 'EMP123';

```
1    SELECT * FROM Emp_Superv
2    WHERE Superv_ID = 'EMP123';
3    |
```

EMP_ID	SUPERV_ID	SDATE	EDATE
EMP109	EMP123	01-JAN-19	01-JUN-19
EMP110	EMP123	01-JAN-19	-
EMP111	EMP123	01-JAN-19	-
EMP112	EMP123	01-JAN-19	-
EMP113	EMP123	01-JAN-19	-
EMP114	EMP123	01-JAN-19	-
EMP115	EMP123	01-JAN-19	-
EMP116	EMP123	01-JAN-19	-

Download CSV

8 rows selected.

11. Display average salary of employees working.

SELECT AVG(Salary)

 FROM Employee;

```
1    SELECT AVG(Salary) FROM Employee ;|
```

AVG(SALARY)
77500

Download CSV

12. Display the total combined salary of all employees.

SELECT SUM(Salary)

FROM Employee;

```
1    SELECT SUM(Salary) FROM Employee ;
```

SUM(SALARY)

3875000

Download CSV

13. Display details of all guests from RAJASTHAN.

SELECT *

FROM Guest

WHERE address LIKE '%RAJASTHAN';

```
1    SELECT *
2    FROM Guest
3    WHERE address LIKE '%RAJASTHAN';
4    
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD019	AKSHIT RATHORE	M	34	9768765645	JODHPUR, RAJASTHAN	102	Sportsman	0	-	05-NOV-19 03.35.00.000000 PM	14-NOV-19 01.00.00.000000 AM
GUD020	TUSHAR SHARMA	M	35	9876542315	UPAIDUR, RAJASTHAN	504	Architect	0	-	01-MAY-19 09.30.00.000000 AM	-

Download CSV
2 rows selected.

14. Display all items available for breakfast.

SELECT Item, Rate

FROM Food

WHERE Type = 'Breakfast';

```
1    SELECT Item, Rate
2    FROM Food2
3    WHERE Type = 'Breakfast';
4    |
```

ITEM	RATE
Bread Butter	20
Poha	30
Idli	20
Dosa	30
Omlette	20

Download CSV
5 rows selected.

15. Display details of room category having highest price.

SELECT *

FROM Room_Category

WHERE Price = (

SELECT MAX(Price) FROM Room_Category

);

```
1    SELECT *
2    FROM Room_Category2
3    WHERE Price = (
4        SELECT MAX(Price) FROM Room_Category2
5    )
6    |
```

TYPE	BEDS	AC	PRICE
Prestige Suite	2	Y	8000

Download CSV

16. Display the details of all departments employee EMP110 has worked for.

SELECT *

FROM Department

WHERE Dept_ID IN (

SELECT Dept_ID

FROM Emp_Work

WHERE Emp_ID = 'EMP110'

);

```
1   SELECT *
2   FROM Department
3   WHERE Dept_ID IN (
4       SELECT Dept_ID
5       FROM Emp_Work
6       WHERE Emp_ID = 'EMP110'
7   );
8   |
```

DEPT_ID	DEPT_NAME
DEP002	Housekeeping
DEP010	HOSPITALITY

Download CSV
2 rows selected.

17. Display the details of the employee managing any department.

SELECT *

FROM Employee

JOIN Dept_Manage

ON Dept_Manage.Emp_ID = Employee.Emp_ID;

```
1  SELECT *
2  FROM Employee
3  JOIN Dept_Manage
4  ON Dept_Manage.Emp_ID = Employee.Emp_ID;
5  |
```

EMP_ID	FIRST_NAME	LAST_NAME	AGE	SEX	SALARY	PHONE_NO	EMAIL	EMP_ID	DEPT_ID	SDATE	EDATE
EMP113	Aasutosh	Gulati	25	M	50000	7713159623	saar113@saar.co.in	EMP113	DEP008	01-JAN-19	-
EMP114	Anil	Kumble	62	M	40000	6903554029	saar114@saar.co.in	EMP114	DEP009	01-JAN-19	-
EMP122	Subhaditya	Mishra	17	M	140000	9326477229	saar122@saar.co.in	EMP122	DEP001	01-JAN-19	-
EMP123	Ganesh	Gaitonde	83	M	100000	9221077662	saar123@saar.co.in	EMP123	DEP002	01-JAN-19	-
EMP124	Akhandanand	Tripathy	22	M	70000	8228067840	saar124@saar.co.in	EMP124	DEP003	01-JAN-19	06-JUN-19
EMP127	Rishit	Bansal	43	M	65000	6926852799	saar127@saar.co.in	EMP127	DEP010	01-JAN-19	-
EMP128	Nikkita	Batra	43	F	50000	8432058582	saar128@saar.co.in	EMP128	DEP003	06-JUN-19	-
EMP129	Rahul	Sahara	75	M	30000	9243035926	saar129@saar.co.in	EMP129	DEP006	05-SEP-19	-
EMP130	Vedamruta	Nalla	59	M	85000	7926095139	saar130@saar.co.in	EMP130	DEP004	01-JAN-19	-
EMP131	Bavyash	Pandy	20	M	75000	9170032409	saar131@saar.co.in	EMP131	DEP005	01-JAN-19	-
EMP140	Pritish	Samal	16	M	105000	9399345828	saar140@saar.co.in	EMP140	DEP006	01-JAN-19	05-SEP-19
EMP141	Smayak	Gantayat	25	M	20000	9010943323	saar141@saar.co.in	EMP141	DEP007	01-JAN-19	-

Download CSV
12 rows selected.

18. Display the stock items handled by DEP008.

SELECT NAME,QUANTITY_AVAILABLE

FROM STOCK2

WHERE Dept_ID='DEP008';

```
1  SELECT NAME,QUANTITY_AVAILABLE
2  FROM STOCK2
3  WHERE Dept_ID='DEP008';
4  |
```

NAME	QUANTITY_AVAILABLE
Potatoes	100
Onions	100

Download CSV
2 rows selected.

19. Display the details of the guest who is a cardiologist.

SELECT *

FROM Guest

WHERE Occupation='Doctor (Cardiologist)';

```
1    SELECT * FROM Guest WHERE Occupation='Doctor (Cardiologist)';
```

GUEST_ID	NAME	SEX	AGE	PHONE_NUMBER	ADDRESS	ROOM_NO	OCCUPATION	EXTRA_BED	DISCOUNT_CODE	CHECK_IN_DATE_TIME	CHECK_OUT_DATE_TIME
GUD007	Shresth Sharma	M	69	6900456733	FARIDABAD, UTTRA PRADESH	306	Doctor (Cardiologist)	0	DIS0003	28-SEP-19 09.40.00.000000 PM	03-OCT-19 05.00.00.000000 PM

Download CSV

20. Display the total bill and fines given to Erza Scarlet

SELECT bill.amount,fine.amount_to_pay,guest.discount_code

FROM ((Guest join fine ON guest.guest_id = fine.guest_id)

JOIN bill ON Guest.guest_id = bill.guest_id)

WHERE guest.name= 'Erza Scarlet';

```
1    Select bill.amount,fine.amount_to_pay,guest.discount_code
2    From ((Guest join fine ON guest.guest_id = fine.guest_id)
3    Join bill ON Guest.guest_id = bill.guest_id)
4    WHERE guest.name= 'Erza Scarlet';
```

AMOUNT	AMOUNT_TO_PAY	DISCOUNT_CODE
12400	500	-

Download CSV

21. Display the amount in DOLLARS for International guest naruto

SELECT ROUND(amount/73,2)

FROM bill

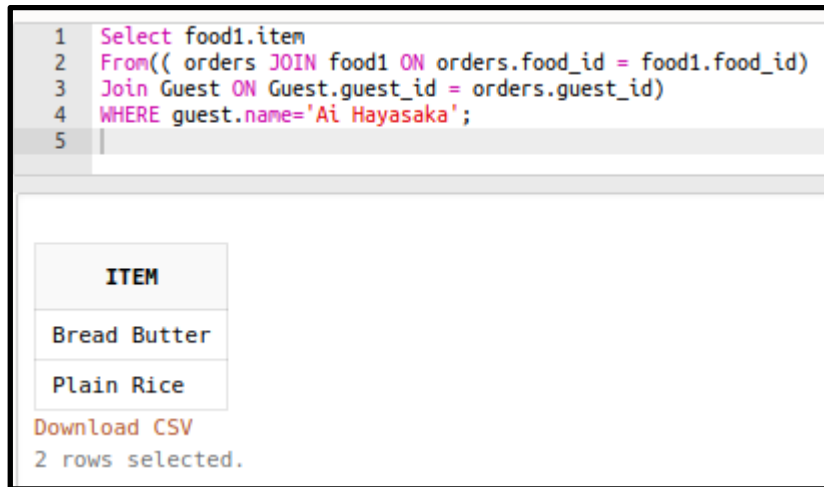WHERE guest_id = (SELECT guest_id FROM guest WHERE name = 'Naruto Uzumaki');

```
1    SELECT ROUND(amount/73,2)
2    FROM bill
3    WHERE guest_id = (SELECT guest_id FROM guest WHERE name = 'Naruto Uzumaki');
4    |
```

ROUND(AMOUNT/73,2)
869.86

Download CSV

22.Display all the foods ordered by ai hayasaka.

SELECT food.item

FROM ((orders JOIN food ON orders.food_id = food.food_id)

JOIN Guest ON Guest.guest_id = orders.guest_id)

WHERE guest.name='Ai Hayasaka';

```
1   Select food1.item
2   From(( orders JOIN food1 ON orders.food_id = food1.food_id)
3   Join Guest ON Guest.guest_id = orders.guest_id)
4   WHERE guest.name='Ai Hayasaka';
5   |
```

ITEM
Bread Butter
Plain Rice

Download CSV
2 rows selected.

23. Trigger to display changes in guest table

CREATE OR REPLACE TRIGGER guest_table_change

BEFORE INSERT OR DELETE OR UPDATE ON Guest

FOR EACH ROW

BEGIN

 IF INSERTING THEN

     DBMS_OUTPUT.PUT_LINE('A new guest ' || :NEW.name || ' has checked in.');

 ELSIF DELETING THEN

     DBMS_OUTPUT.PUT_LINE('The guest ' || :OLD.name || ' has been deleted.');

 ELSIF UPDATING THEN

     DBMS_OUTPUT.PUT_LINE('The guest ' || :OLD.name || ' has been updated to '

|| :NEW.name);

 END IF;

END;

```
1    CREATE OR REPLACE TRIGGER  guest_table_change
2    BEFORE INSERT OR DELETE OR UPDATE ON Guest
3    FOR EACH ROW
4    BEGIN
5      IF INSERTING THEN
6        DBMS_OUTPUT.PUT_LINE('A new guest ' || :NEW.name || ' has checked in.');
7      ELSIF DELETING THEN
8        DBMS_OUTPUT.PUT_LINE('The guest ' || :OLD.name || ' has been deleted.');
9      ELSIF UPDATING THEN
10       DBMS_OUTPUT.PUT_LINE('The guest ' || :OLD.name || ' has been updated to ' || :NEW.name);
11     END IF;
12   END;
13   |
```

```
Trigger created.
```

```
1    INSERT INTO Guest VALUES ( 'GUD030','Subham Panda','M',35,9857563389,'BHOPAL, MADHYA PRADESH', 102,'Police',0, 'DIS0001', TIMESTAMP '2019-07-12 14:00:00', TIMESTAMP '2019-07-25 07:00:00' );
2    |
```

```
1 row(s) inserted.
A new guest Subham Panda has checked in.
```

```
1    UPDATE Guest
2    SET Name = 'Subham Gupta'
3    WHERE Name = 'Subham Panda';
```

```
1 row(s) updated.
The guest Subham Panda has been updated to Subham Gupta
```

```
1    DELETE FROM Guest
2    WHERE Name = 'Subham Gupta';
```

```
1 row(s) deleted.
The guest Subham Gupta has been deleted.
```

24. Trigger to display updates in stock

```
CREATE OR REPLACE TRIGGER  stock_table_change
BEFORE INSERT ON Stock2
FOR EACH ROW
BEGIN
```

DBMS_OUTPUT.PUT_LINE('The stock of ' || :NEW.name || ' of quantity ' || :NEW.quantity_available || ' having unit ' || :NEW.unit || ' was added to stock. ');

END;

```
1  CREATE OR REPLACE TRIGGER  stock_table_change
2  BEFORE INSERT ON Stock2
3  FOR EACH ROW
4  BEGIN
5    DBMS_OUTPUT.PUT_LINE( 'The stock of ' || :NEW.name || ' of quantity ' || :NEW.quantity_available || ' having unit ' || :NEW.unit || ' was added to stock. ');
6  END;
7
```

Trigger created.

```
1  INSERT INTO STOCK2 VALUES ('TV', 10, 'pieces', 'DEP009' );
```

1 row(s) inserted.
The stock of TV of quantity 10 having unit pieces was added to stock.

25. Demonstration of Implicit cursor SELECT BULK INTO

```
DECLARE
    TYPE guests_nt IS TABLE OF Guest%ROWTYPE;
    Guest_n   guests_nt;
BEGIN
    SELECT *
      BULK COLLECT INTO Guest_n
      FROM Guest
    ORDER BY name;

    DBMS_OUTPUT.put_line (Guest_n.COUNT);
END;
```

```
 1    DECLARE
 2       TYPE guests_nt IS TABLE OF Guest%ROWTYPE;
 3       Guest_n   guests_nt;
 4    BEGIN
 5          SELECT *
 6             BULK COLLECT INTO Guest_n
 7             FROM Guest
 8       ORDER BY name;
 9
10       DBMS_OUTPUT.put_line (Guest_n.COUNT);
11    END;
12    |
```

```
Statement processed.
29
```

26. Currency converter

create or replace

function currency_converter (amount int, conv_rate int) return int is

begin

 return (amount * conv_rate);

end;

declare

 output number;

begin

 output:= calculator(20,70);

 dbms_output.put_line('output after calculation '|| output);

end;

```
 1    create or replace
 2    function currency_converter ( amount int, conv_rate int) return int is
 3    begin
 4     return ( amount * conv_rate);
 5    end;
 6    /|
 7
```

```
Function created.
```

```
1   declare
2    output number;
3   begin
4    output:= currency_converter(20,70);
5    dbms_output.put_line('output after calculation '|| output);
6   end;
7   /


Statement processed.
output after calculation 1400
```

8. CONCLUSION

This project is designed to meet the working and requirement of an online hotel management system.The proposed system will keep a track of Workers, Recidents, Accounts and generation of report regarding the present status.The project "Hotel Management System" is aimed to develop to maintain the day-to-day state of admission/Vacation of Recidents, List of Workers , payment details etc. Main objective of this project is to provide solution for hotel to manage most there work using computerized process. This software application will help admin to handle customers information, room allocation details, payment details, billing information.etc. Detailed explanation about modules and design are provided in project documentation. This project is a computer based system andd not only saves time but also provides easy and quick access over data.