**DATABASE MANAGEMENT SYSTEM PROJECT**

**Mall Management Database system**

**TEAM:**

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**PROBLEM STATEMENT:**

Shopping malls are fast becoming a central part of life all over the world.

Many malls are being constructed in all developing countries. However,

maintenance of malls is an important necessity. So, we have designed a

database to store information about all Malls in a particular city.

The database will be accessible to the administrator of the Malls

including their managers. It will be handled by Tenant Officers. Also, it

will contain all required information about different places around a Mall

like Shops of different categories, Movie Halls, Food corners, ATM and

Game zone. A separate management system relation along with opening

and closing time of Mall is also included. This database gives information

about all the Malls with reference to its Mall code in a city.

Through this database system we can manage maintenance of all the

shops and other places in a particular mall and also monitor all activities

of all Malls. Also, it enables the administrator to get information about

expenses and earnings of all the shops in a Mall which gets updated each

time after installment of any new activity with less time and less effort.

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**TABLES:**

**1. MALLAttributes Datatype Constraints and Characteristics**

**Code VARCHAR(8) Primary key**

**Name VARCHAR(20) Not Null**

**Location VARCHAR(40) Not Null**

**Area(in Sq.ft) NUMBER(8) Not Null**

**Owners VARCHAR(20) Not Null**

**2. MALL MANAGERSAttributes Datatype Constraints and Characteristics**

**Manager\_ID VARCHAR(5) Primary key**

**Name VARCHAR(20) Not Null**

**Salary NUMBER(8) Not Null**

**Start\_Date DATE -**

**Phone\_Number VARCHAR(10) Not Null**

**Address VARCHAR(30) Not Null**

**Mall\_Code VARCHAR(8) Foreign key, Not Null**

**3. TENANT OFFICERSAttributes Datatype Constraints and Characteristics**

**ID VARCHAR(5) Primary key**

**Name VARCHAR(20) Not Null**

**Salary NUMBER(10) Not Null**

**Phone\_Number VARCHAR(10) Not Null**

**4. MALL\_T\_OFFICERSAttributes Datatype Constraints and Characteristics**

**Mall\_Code VARCHAR(8) Foreign key, Not Null**

**Tenant\_ID VARCHAR(20) Foreign key, Not Null**

**5. TIMINGAttributes Datatype Constraints and Characteristics**

**Weekdays VARCHAR(7) Primary key(1)**

**Opening\_Time VARCHAR(8) Not null**

**Closing\_Time VARCHAR(8) Not null**

**Mall\_Code VARCHAR(8) Primary key(2), Foreign key**

**6. STORE\_CATEGORIESAttributes Datatype Constraints and Characteristics**

**ID VARCHAR(5) Primary key**

**Categories VARCHAR(20) Not Null**

**7. STORESAttributes Datatype Constraints and Characteristics**

**Store\_ID NUMBER(5) Primary key**

**Store\_Name VARCHAR(20) Not Null**

**Rent NUMBER(8) Not Null**

**Tenant\_ID NUMBER(5) Foreign key, Not Null**

**Category\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code NUMBER(8) Foreign key, Not Null**

**8. FOOD TYPESAttributes Datatype Constraints and Characteristics**

**ID VARCHAR(5) Primary key**

**Types VARCHAR(20) Not Null**

**9. FOOD CORNERSAttributes Datatype Constraints and Characteristics**

**Corner\_ID VARCHAR(5) Primary key**

**Name VARCHAR(20) Not Null**

**Rent NUMBER(8) Not Null**

**Tenant\_ID VARCHAR(5) Foreign key, Not Null**

**Type\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code VARCHAR(8) Foreign key, Not Null**

**10. GAMESAttributes Datatype Constraints and Characteristics**

**ID NUMBER(2) Primary key**

**Game\_Name VARCHAR(20) Not Null**

**No\_Of\_Players NUMBER(2) Not Null**

**Price NUMBER(5) Not Null**

**11. GAME ZONEAttributes Datatype Constraints and Characteristics**

**Game\_ID VARCHAR(5) Primary key(1), Foreign key**

**Rent NUMBER(8) Not Null**

**Tenant\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code VARCHAR(8) Primary key(2), Foreign key**

**12. MOVIE THEATRESAttributes Datatype Constraints and Characteristics**

**Th\_Name VARCHAR(10) Primary key(1)**

**Total\_Screens NUMBER(2) Not Null**

**Num\_Of\_Ticket\_Counters NUMBER(2) Not Null**

**Tenant\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code VARCHAR(8) Primary key(2), Foreign key**

**13. CONCESSION\_STANDAttributes Datatype Constraints and Characteristics**

**Stand\_ID VARCHAR(5) Primary key(1)**

**Type\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code VARCHAR(8) Primary key(2), Foreign key**

**14. ATMAttributes Datatype Constraints and Characteristics**

**Branch\_Name VARCHAR(10) Primary key(1)**

**Rent NUMBER(5) Not Null**

**Tenant\_ID VARCHAR(5) Foreign key, Not Null**

**Mall\_Code VARCHAR(8) Primary key(2), Foreign key**

**ER MODEL ASSUMPTIONS:**

**1.) Each mall has at least one Tenant Officers, and each tenant officer is employed in at**

**least one of the given malls, therefore there is total participation and many to many**

**relationship between mall and tenant\_officers. Mall has area with unit sq.ft.**

**2.) In mall managers relation, each manager is employed in at least one of the malls, So**

**there is total participation of Mall\_managers.**

**3.) Timing relation is a weak entity set having weekdays as its partial key.**

**4.) Food\_Types and Store\_Categories & Games relations store information about the types**

**of food corners like restaurants, ice-cream parlour etc., and clothing, pharamacy etc. and**

**different game names respectively along with its ID to identify the type.**

**5.) Stores and Food\_Corners have different IDs(Primary key) for different malls. Also, each**

**mall has no, one or more than one stores, and each store is present in one mall, so there is a**

**one to many relationship with total participation of stores. Same is in the case of Food**

**Corners relation. Rent given is per month.**

**6.) Game Zone is a weak entity set with GameID as its partial key, which is also a foreign**

**key from Games table. It is assumed that No. of players in the games table are not exact,**

**there can be less no of players. Price of games are given by per player.**

**7.) Movie Theatres is a weak entity set with Th\_name as its partial key. It is assumed that**

**each mall has only one theatre with many screens, so the relationship is one to one type.**

**8.) Concession Stand is a weak entity set with standId as its primary key, and it is also**

**connected to the food\_types relation with typeID as foreign key which determines the type**

**of stand inside movie theatres. Each theatre in a particular mall can have one or more than**

**one stand and each stand is present in only one mall, so the relationship is one to many**

**Type.**

**9.) ATM is a weak entity set with branch\_name as its partial key. Each mall has more than**

**one ATM, so it is one to many relationship type.**

**FUNCTIONAL DEPENDENCIES & PRIMARY KEY:**

**1.) MALLCode-> {Name, Location, Area, Owners}**

**Since all the other attributes depend on Code,**

**(Code)+**

**->R**

**Hence, Code is the primary key.**

**2.) MALL MANAGERSManager\_ID->{Name, Salary, Start\_date, Phone no, Address, Mall\_Code}**

**Phone No->{Name, Salary, Start\_Date, Address}**

**Since all the other attributes depend on Manager\_ID,**

**(Manager\_ID)+**

**->R**

**Hence, Manager\_ID is the primary key.**

**3.) TENANT OFFICERSID->{Name,salary, Phone\_number}**

**Phone\_number->{Name, salary}**

**Since all the other attributes depend on ID,**

**(ID)+**

**->R**

**Hence, Tenant ID is the primary key.**

**4.) MALL\_T\_OFFICERS5.) TIMING-**

**{Mall\_Code,Weekdays}->{Opening\_time,Closing\_time}**

**Since all the other attributes depend on {Mall\_Code, Weekdays}**

**(Mall\_Code,Weekdays)+**

**->R**

**Hence, {Mall\_Code, Weekdays} is the primary key.**

**6.) STORE\_CATEGORIESID->{Categories}**

**Since all the other attributes depend on ID,**

**(ID)**

**+**

**->R**

**Hence, ID is the primary key.**

**7.) STORESStore\_ID->{Store\_Name, Rent, Tenant\_ID, Category\_ID, Mall\_Code}**

**Since all the attributes depend on Store\_ID,**

**(Store\_ID)+**

**->R**

**Hence, Store\_ID is the primary key.**

**8.) FOOD\_TYPESID->{Types}**

**Since all the other attributes depend on ID,**

**(ID)**

**+**

**->R**

**Hence, ID is the primary key.**

**9.) FOOD CORNERSCorner\_ID->{Name, Rent, Tenant\_ID, Type\_ID, Mall\_Code}**

**Since all the attributes depend on Corner\_ID,**

**(Corner\_ID)+**

**->R**

**Hence, Corner\_ID is the primary key.**

**10.) GAMESID->{Game\_Name, No\_Of\_Players, Price}**

**Since all the attributes depend on ID,**

**(ID)+**

**->R**

**Hence, ID is the primary key.**

**11.) GAME ZONE-**

**{Game\_ID, Mall\_Code}->{Rent, Tenant\_ID}**

**Since all the attributes depend on {Game\_ID, Mall\_Code},**

**(Game\_ID, Mall\_Code)**

**+**

**->R**

**Hence, {Game\_ID, Mall\_Code} is the primary key.**

**12.) MOVIE THEATRES-**

**{Th\_Name, Mall\_Code}-> {Total\_Screens, No\_Of\_Ticket\_Counters, Tenant\_ID,**

**Mall\_Code}**

**Since all the attributes depend on {Th\_Name, Mall\_Code},**

**(Th\_Name, Mall\_Code)**

**+**

**->R**

**Hence, {Th\_Name, Mall\_Code} is the primary key.**

**13.) CONCESSION\_STAND-**

**{Stand\_ID, Mall\_Code} ->{Type\_ID}**

**Since all the attributes depend on {Stand\_ID},**

**(Stand\_ID, Mall\_Code)+**

**->R**

**Hence, {Stand\_ID, Mall\_Code} is the primary key.**

**14.) ATM-**

**{Branch\_Name, Mall\_Code}->{Rent, Tenant\_ID}**

**Since all the attributes depend on {Branch\_Name, Mall\_Code},**

**{Branch\_Name, Mall\_Code}+**

**->R**

**Hence, {Branch\_Name, Mall\_Code} is the primary key.**

**NORMALISATION :**

**1.) MALLPrimary key: Code**

**All attributes depend on the Code, hence the table is 2NF.**

**All the attributes depend directly on Code, hence the table is in 3NF.**

**All determinants(Code) are candidate keys, hence the table is in BCNF.**

**2.) MALL MANAGERSPrimary key: Manager\_ID**

**All attributes depend on the Manager\_ID, hence the table is 2NF.**

**All the prime attributes depend directly on Manager\_ID, hence the table is in 3NF.**

**3.) TENANT OFFICERSPrimary key: Tenant\_ID**

**All attributes depend on the Tenant\_ID, hence the table is 2NF.**

**All the prime attributes depend directly on Tenant\_ID, hence the table is in 3NF.**

**4.) MALL\_T\_OFFICERS5.) TIMINGPrimary key: {Weekdays, Mall\_Code}**

**All attributes depend on the {Weekdays, Mall\_Code}, hence the table is 2NF.**

**All the attributes depend directly on {Weekdays, Mall\_Code}, hence the table is in 3NF.**

**All determinants ({Weekdays, Mall\_Code}) are candidate keys, hence the table is in**

**BCNF.**

**6.) STORE\_CATEGORIESPrimary key: ID**

**All attributes depend on the ID, hence the table is 2NF.**

**All the attributes depend directly on ID, hence the table is in 3NF.**

**All determinants (ID) are candidate keys, hence the table is in BCNF.**

**7.) STORESPrimary key: Store\_ID**

**All attributes depend on the Store\_ID, hence the table is 2NF.**

**All the attributes depend directly on Store\_ID, hence the table is in 3NF.**

**All determinants {Store\_ID) are candidate keys, hence the table is in BCNF.**

**8.) FOOD\_TYPESPrimary key: ID**

**All attributes depend on the ID, hence the table is 2NF.**

**All the attributes depend directly on ID, hence the table is in 3NF.**

**All determinants (ID) are candidate keys, hence the table is in BCNF.**

**9.) FOOD\_CORNERSPrimary key: Corner\_ID**

**All attributes depend on the Corner\_ID, hence the table is 2NF.**

**All the attributes depend directly on Corner\_ID, hence the table is in 3NF.**

**All determinants (Corner\_ID) are candidate keys, hence the table is in BCNF.**

**10.) GAMESPrimary key: ID**

**All attributes depend on the ID, hence the table is 2NF.**

**All the attributes depend directly on ID, hence the table is in 3NF.**

**All determinants (ID) are candidate keys, hence the table is in BCNF.**

**11.) GAME ZONEPrimary key: {Game\_ID, Mall\_Code}**

**All attributes depend on the {Game\_ID, Mall\_Code}, hence the table is 2NF.**

**All the attributes depend directly on {Game\_ID, Mall\_Code}, hence the table is in 3NF.**

**All determinants ({Game\_ID, Mall\_Code}) are candidate keys, hence the table is in BCNF.**

**12.) MOVIE THEATRESPrimary key: {Th\_Name, Mall\_Code}**

**All attributes depend on the {Th\_Name, Mall\_Code}, hence the table is 2NF.**

**All the attributes depend directly on {Th\_Name, Mall\_Code}, hence the table is in 3NF.**

**All determinants({Th\_Name, Mall\_Code}) are candidate keys, hence the table is in BCNF.**

**13.) CONCESSION\_STANDPrimary key: {Stand\_ID, Mall\_Code}**

**All attributes depend on the {Stand\_ID, Mall\_Code}, hence the table is 2NF.**

**All the attributes depend directly on {Stand\_ID, Mall\_Code}, hence the table is in 3NF.**

**All determinants ({Stand\_ID, Mall\_Code}) are candidate keys, hence the table is in BCNF.**

**14.) ATMPrimary key: {Branch\_Name, Mall\_Code}**

**All attributes depend on the {Branch\_Name, Mall\_Code}, hence the table is 2NF.**

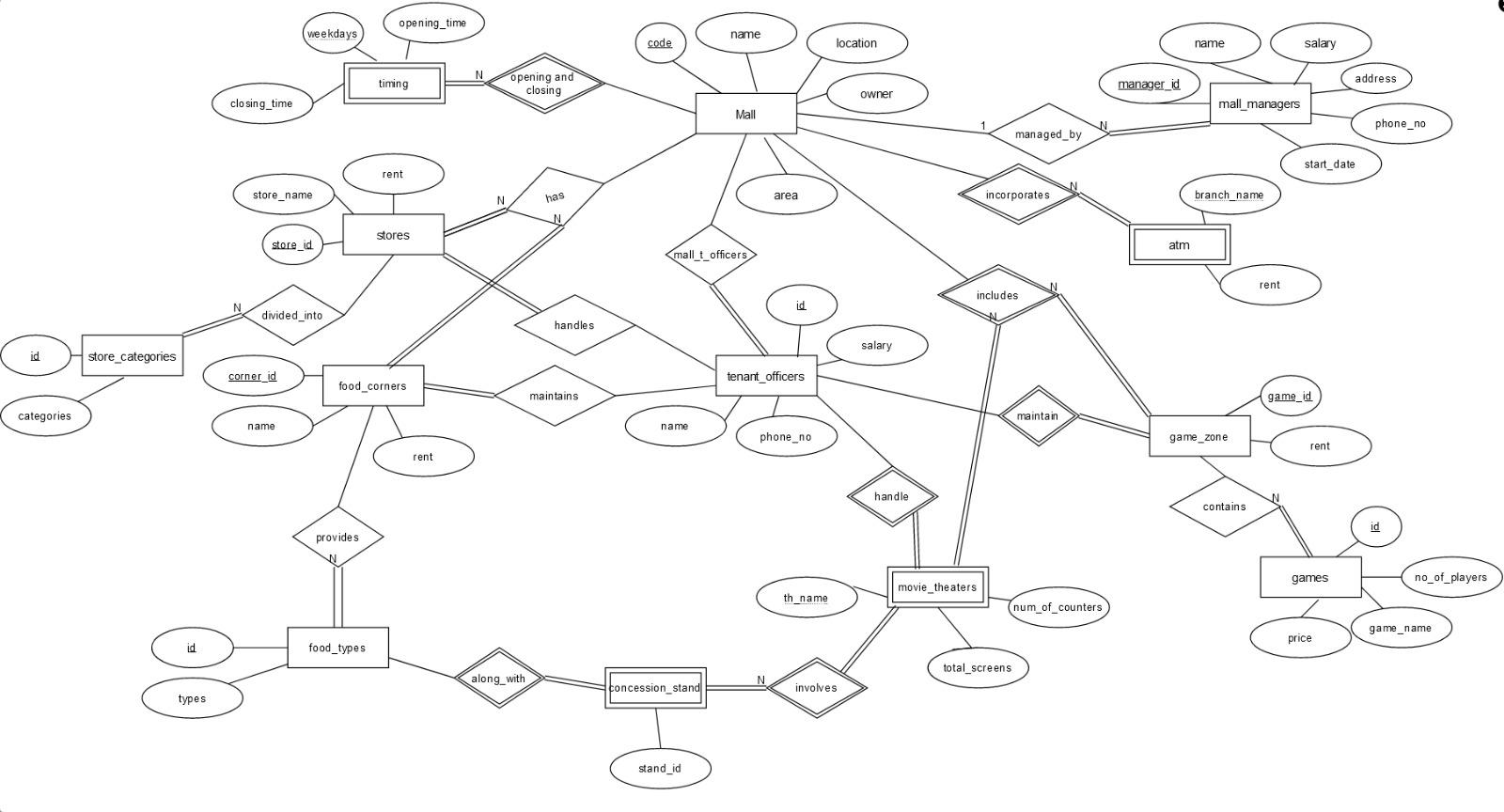
**All the attributes depend directly on {Branch\_Name, Mall\_Code}, hence the table is in**

**3NF.**

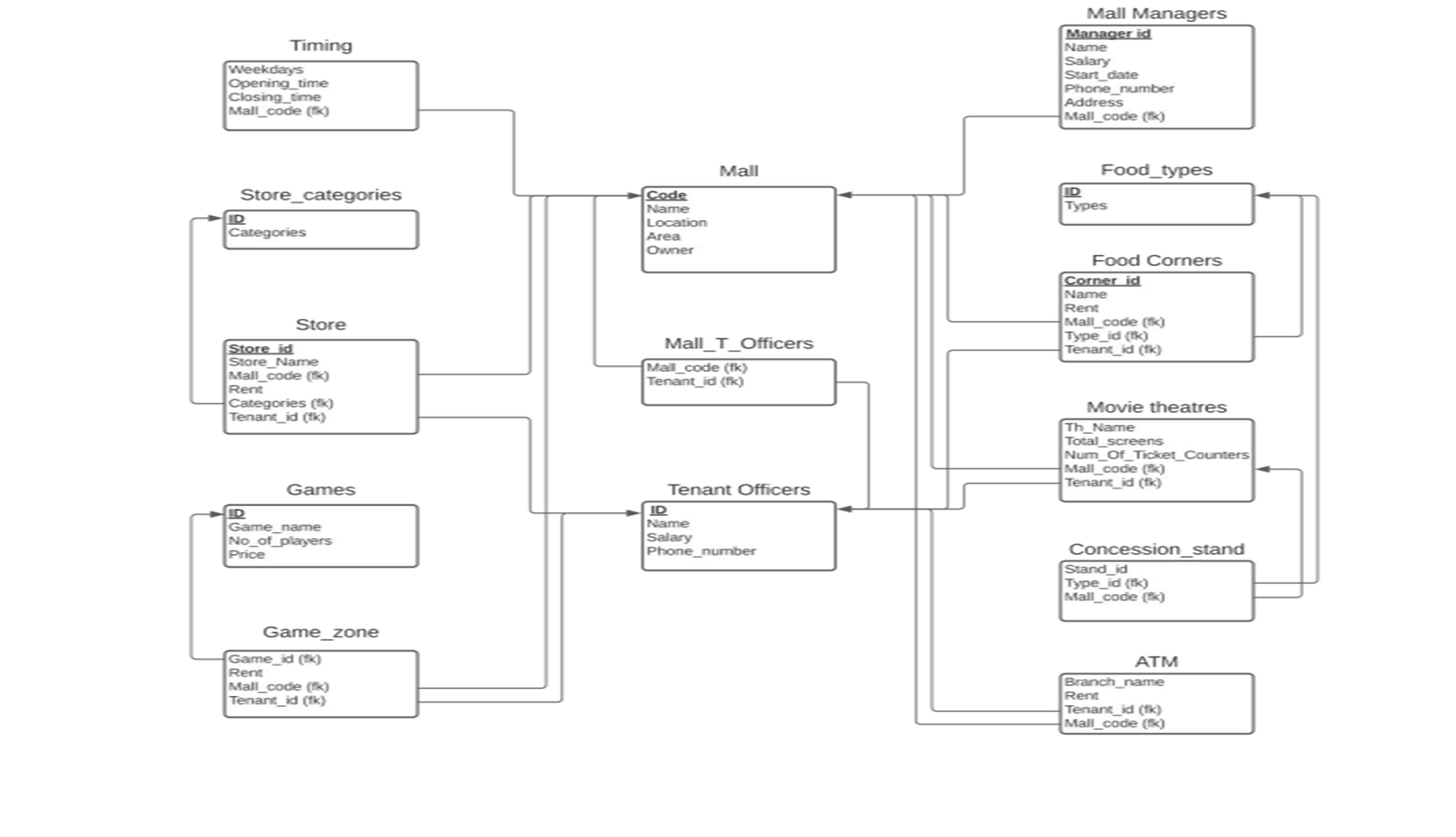
**All determinants({Branch\_Name, Mall\_Code}) are candidate keys, hence the table is in**

**BCNF.**

**ER DIAGRAM :**

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**RELATIONAL SCHEMA AFTER NORMALISATION:**

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**SQL CODE:**

**1.)MALL**

**CREATE TABLE MALL**

**(CODE VARCHAR(7) PRIMARY KEY,**

**"NAME" VARCHAR(20) NOT NULL,**

**"LOCATION" VARCHAR(40) NOT NULL,**

**AREA NUMBER(8)NOT NULL,**

**OWNER VARCHAR(20)NOT NULL);**

**2.)MALL\_MANAGERS**

**CREATE TABLE MALL\_MANAGERS**

**(MANAGER\_ID VARCHAR(5) PRIMARY KEY,**

**NAME VARCHAR(20) NOT NULL,**

**SALARY NUMBER(8)NOT NULL,**

**START\_DATE DATE,**

**PHONE\_NUMBER VARCHAR(10) NOT NULL,**

**ADDRESS VARCHAR(30) NOT NULL,**

**MALL\_CODE VARCHAR(8) NOT NULL,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE);**

**3.)TENANT OFFICERS**

**CREATE TABLE TENANT\_OFFICERS**

**(ID VARCHAR(5) PRIMARY KEY,**

**NAME VARCHAR(20) NOT NULL,**

**SALARY NUMBER(10)NOT NULL,**

**PHONE\_NUMBER VARCHAR(10) NOT NULL);**

**4.)MALL\_T\_OFFICERS**

**CREATE TABLE MALL\_T\_OFFICERS**

**(MALL\_CODE VARCHAR(8) NOT NULL,**

**TENANT\_ID VARCHAR(5) NOT NULL,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE,**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS(ID) ON DELETE CASCADE);**

**5.)TIMING**

**CREATE TABLE TIMING**

**(WEEKDAYS VARCHAR(7),**

**OPENING\_TIME VARCHAR(8) NOT NULL,**

**CLOSING\_TIME VARCHAR(8) NOT NULL,**

**MALL\_CODE VARCHAR(8),**

**PRIMARY KEY(MALL\_CODE,WEEKDAYS),**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE);**

**6.)STORE\_CATEGORIES**

**CREATE TABLE STORE\_CATEGORIES**

**(ID VARCHAR(5) PRIMARY KEY,**

**CATEGORIES VARCHAR(20));**

**7.)STORES**

**CREATE TABLE STORES**

**(STORE\_ID VARCHAR(5) PRIMARY KEY,**

**STORE\_NAME VARCHAR(20)NOT NULL,**

**RENT NUMBER(8)NOT NULL,**

**TENANT\_ID VARCHAR(5)NOT NULL,**

**CATEGORY\_ID VARCHAR(5) NOT NULL,**

**MALL\_CODE VARCHAR(8) NOT NULL,**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS(ID) ON DELETE CASCADE,**

**FOREIGN KEY(CATEGORY\_ID) REFERENCES CATEGORIES(ID) ON DELETE CASCADE,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE);**

**8.)FOOD\_TYPES**

**CREATE TABLE FOOD\_TYPES**

**(ID VARCHAR(5) PRIMARY KEY,**

**TYPES VARCHAR(20) NOT NULL);**

**9. )FOOD CORNERS**

**CREATE TABLE FOOD\_CORNERS**

**(CORNER\_ID VARCHAR(5) PRIMARY KEY,**

**NAME VARCHAR(20)NOT NULL,**

**RENT NUMBER(10)NOT NULL,**

**TENANT\_ID VARCHAR(5)NOT NULL,**

**TYPE\_ID VARCHAR(5) NOT NULL,**

**MALL\_CODE VARCHAR(8) NOT NULL,**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS ON DELETE CASCADE,**

**FOREIGN KEY(TYPE\_ID) REFERENCES FOOD\_TYPES(ID) ON DELETE CASCADE,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL ON DELETE CASCADE);**

**10.)GAMES**

**CREATE TABLE GAMES**

**(ID VARCHAR(5) PRIMARY KEY,**

**GAME\_NAME VARCHAR(20) NOT NULL**

**NUM\_OF\_PLAYERS NUMBER(2)NOT NULL**

**PRICE NUMBER(5) NOT NULL);**

**11.)GAME\_ZONECREATE TABLE GAME\_ZONE**

**(GAME\_ID VARCHAR(5),**

**RENT NUMBER(8) NOT NULL,**

**TENANT\_ID VARCHAR(5)NOT NULL,**

**MALL\_CODE VARCHAR(8),**

**PRIMARY KEY(MALL\_CODE,GAME\_ID),**

**FOREIGN KEY(GAME\_ID) REFERENCES GAMES(ID) ON DELETE CASCADE,**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS ON DELETE CASCADE,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE);**

**12.)MOVIE THEATRES**

**CREATE TABLE MOVIE\_THEATRES**

**(TH\_NAME VARCHAR(10) NOT NULL,**

**TOTAL\_SCREENS NUMBER(2)NOT NULL,**

**NUM\_OF\_TICKET\_COUNTERS NUMBER(2)NOT NULL,**

**RENT NUMBER(8) NOT NULL,**

**TENANT\_ID VARCHAR(5)NOT NULL,**

**MALL\_CODE VARCHAR(8) PRIMARY KEY,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE,**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS ON DELETE CASCADE);**

**13.)CONCESSION\_STAND**

**CREATE TABLE CONCESSION\_STAND**

**(STAND\_ID VARCHAR(5),**

**TYPE\_ID VARCHAR(5),**

**MALL\_CODE VARCHAR(8),**

**PRIMARY KEY(STAND\_ID, MALL\_CODE),**

**FOREIGN KEY(TYPE\_ID) REFERENCES FOOD\_TYPES(ID) ON DELETE CASCADE,**

**FOREIGN KEY(MALL\_CODE) REFERENCES MOVIE\_THEATRES(MALL\_CODE) ON DELETE**

**CASCADE);**

**14.)ATM**

**CREATE TABLE ATM**

**(BRANCH\_NAME VARCHAR(10),**

**RENT NUMBER(5) NOT NULL,**

**TENANT\_ID VARCHAR(5) NOT NULL,**

**MALL\_CODE VARCHAR(8),**

**PRIMARY KEY(BRANCH\_NAME, MALL\_CODE),**

**FOREIGN KEY(TENANT\_ID) REFERENCES TENANT\_OFFICERS ON DELETE CASCADE,**

**FOREIGN KEY (MALL\_CODE) REFERENCES MALL(CODE) ON DELETE CASCADE);**

**INSERTION OF VALUES:**

**INSERT INTO MALL VALUES('M101', 'CITY CENTER', 'GANDHI ROAD, DELHI', 4100000, 'SIMON**

**PROPERTY GROUP');**

**INSERT INTO MALL VALUES('M102', 'AMBUJA', 'MATHURA ROAD, FARIDABAD', 5000000,**

**'KIMCO REALTY');**

**INSERT INTO MALL VALUES('M103', 'MAGNETO', 'CAMAC STREET, KOLKATA', 4953000, 'MANOJ**

**AGARWAL');**

**INSERT INTO MALL VALUES('M104', 'CITY CENTER', 'PANAJI, GOA', 6073000, 'DALIP SEHGAL');**

**INSERT INTO MALL VALUES('M105', 'COLORS', 'SHIBPUR, HOWRAH', 5550800, 'LEVIS BATA');**

**INSERT INTO MALL VALUES('M106', 'CRYSTAL', 'NEW TOWN, KOLKATA', 7300000, 'CALVIN**

**KLEIN');**

**INSERT INTO MALL VALUES('M107', 'DLF', 'SECTOR-18, NOIDA', 6580000, 'SHARYANS');**

**INSERT INTO MALL VALUES('M108', 'Z SQUARE', 'THE MALL, KANPUR', 5000000, 'RAHEJA**

**CONSTRUCTIONS');**

**INSERT INTO MALL VALUES('M109', 'HiLITE', 'KOZHIKODE BYPASS, KOZHIKODE', 8500200,**

**'HiLITE MILLS GROUP');**

**INSERT INTO MALL VALUES('M110', 'ELANTE', 'INSUSTRIAL AREA, PHASE 1, CHANDIGARH',**

**4500000, 'JINDAL CONSTRUCTIONS');**

**INSERT INTO MALL VALUES('M111', 'MAGNETO', 'WHITEFIELD MAIN ROAD, BANGALORE',**

**6700000, 'PHOENIX MILLS');**

**INSERT INTO MALL VALUES('M112', 'ESPLANADE ONE', 'RASULGARH INDUSTRIAL ESTATE,**

**BHUBANESWAR', 7106000, 'WIDITA INTERNATIONAL');**

**INSERT INTO MALL VALUES('M113', 'ORION', 'DR RAJKUMAR ROAD, BENGALURU', 8209000, 'AR**

**CONSTRUCTIONS');**

**INSERT INTO MALL VALUES('M114', 'AMBIENCE', 'DLF PHASE 3, SECTOR 24, GURUGRAM',**

**4500200, 'DLF MILLS AND GROUP');**

**INSERT INTO MALL VALUES('M115', 'THE FORUM', 'NELSON MANDELA MARG, NEW DELHI',**

**4001000, 'SKYHIGH GROUP');**

**INSERT INTO MALL\_MANAGERS VALUES ('M1', 'RAJESH GUPTA', 25000, '01-JAN-2016',**

**'9876543210', 'SANEPA', 'M101');**

**INSERT INTO MALL\_MANAGERS VALUES ('M2', 'ASHWINI KARKI', 35000, '11-FEB-2014',**

**'9726543221', 'RAMESHWARAM', 'M102');**

**INSERT INTO MALL\_MANAGERS VALUES ('M3', 'AMIT AGARWAL', 20000, '22-MARCH-2015',**

**'9748541215', 'DURBARMARG', 'M103');**

**INSERT INTO MALL\_MANAGERS VALUES ('M4', 'MUKESH GOENKA', 32000, '16-JAN-2017',**

**'9870593258', 'SUNAULI', 'M104');**

**INSERT INTO MALL\_MANAGERS VALUES ('M5', 'HARSHIT BAJAJ', 25000, '01-JULY-2016',**

**'9726543219', 'RAKSHOL', 'M105');**

**INSERT INTO MALL\_MANAGERS VALUES ('M6', 'PRASUN THAPA', 28000, '26-DEC-2015',**

**'9721549814', 'BIRGUNJ', 'M106');**

**INSERT INTO MALL\_MANAGERS VALUES ('M7', 'RAJAT SHAKYA', 35000, '13-JUNE-2013',**

**'9851033462', 'CHAVEL', 'M107');**

**INSERT INTO MALL\_MANAGERS VALUES ('M8', 'BIJESH SHARMA', 30000, '19-APRIL-2016',**

**'9818082616', 'RATOPUL', 'M108');**

**INSERT INTO MALL\_MANAGERS VALUES ('M9', 'SANCHIT TIWARI', 40000, '18-JAN-2015',**

**'987148308', 'BANESHWOR', 'M109');**

**INSERT INTO MALL\_MANAGERS VALUES ('M10', 'AAKASH ROY', 23000, '19-NOV-2014',**

**'9875943115', 'PATAN', 'M110');**

**INSERT INTO MALL\_MANAGERS VALUES ('M11', 'BHAWESH AGRAWAL', 26000, '21-OCT-2017',**

**'9726143277', 'JAMAL', 'M111');**

**INSERT INTO MALL\_MANAGERS VALUES ('M12', 'TUSHAR GOENKA', 35000, '25-JAN-2016',**

**'9716843279', 'NEWROAD', 'M112');**

**INSERT INTO MALL\_MANAGERS VALUES ('M13', 'LAL KUMAR', 20000, '21-JULY-2014',**

**'9875544321', 'JAWALAKHEL', 'M113');**

**INSERT INTO MALL\_MANAGERS VALUES ('M14', 'JAYESH GUPTA', 32000, '16-JUNE-2015',**

**'9806543228', 'KTM', 'M114');**

**INSERT INTO MALL\_MANAGERS VALUES ('M15', 'AMIT KOERALA', 21000, '08-MAY-2016',**

**'9816543239', 'LALITPUR', 'M115');**

**INSERT INTO TENANT\_OFFICERS VALUES('T101', 'AMAN BANSAL', 50000, 9996461873);**

**INSERT INTO TENANT\_OFFICERS VALUES('T102', 'RASHI JAIN', 45000, 7994148473);**

**INSERT INTO TENANT\_OFFICERS VALUES('T103', 'NIKITA KAPADIYA', 67000, 8796361891);**

**INSERT INTO TENANT\_OFFICERS VALUES('T104', 'VISHAL SINGH', 74000, 9983446125);**

**INSERT INTO TENANT\_OFFICERS VALUES('T105', 'ASIT TIWARI', 41000, 7896568147);**

**INSERT INTO TENANT\_OFFICERS VALUES('T106', 'RISHI SINGHAL', 46000, 9996421873);**

**INSERT INTO TENANT\_OFFICERS VALUES('T107', 'ROHIT MALHOTRA', 67000, 8316431859);**

**INSERT INTO TENANT\_OFFICERS VALUES('T108', 'PRACHI SINGH', 55000, 7946211844);**

**INSERT INTO TENANT\_OFFICERS VALUES('T109', 'VICKY SHARMA', 75000, 7835189358);**

**INSERT INTO TENANT\_OFFICERS VALUES('T110', 'MOHIT DESAI', 80000, 9913131894);**

**INSERT INTO TENANT\_OFFICERS VALUES('T111', 'KANGANA AGARWAL', 66000, 9884825854);**

**INSERT INTO TENANT\_OFFICERS VALUES('T112', 'MEENA TIWARI', 64000, 6478164113);**

**INSERT INTO TENANT\_OFFICERS VALUES('T113', 'AMAN SAINI', 48000, 9994284194);**

**INSERT INTO TENANT\_OFFICERS VALUES('T114', 'RANBEER SINGH', 66000, 8872514571);**

**INSERT INTO TENANT\_OFFICERS VALUES('T115', 'PANAKJ ROY', 55000, 6694718618);**

**INSERT INTO TENANT\_OFFICERS VALUES('T116', 'SHILPA SINGH', 67000, 6247971894);**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M101', 'T104');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M101', 'T106');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M101', 'T107');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M101', 'T114');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M101', 'T106');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M102', 'T103');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M102', 'T105');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M102', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M102', 'T109');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M102', 'T113');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M103', 'T104');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M103', 'T107');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M103', 'T110');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M104', 'T112');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M104', 'T113');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M104', 'T111');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M104', 'T116');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M105', 'T105');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M105', 'T106');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M105', 'T109');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M106', 'T101');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M106', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M107', 'T103');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M107', 'T106');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M107', 'T107');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M107', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M108', 'T111');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M108', 'T112');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M109', 'T105');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M109', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M109', 'T109');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M110', 'T104');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M110', 'T113');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M111', 'T107');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M111', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M111', 'T111');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M111', 'T114');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M112', 'T104');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M112', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M113', 'T102');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M113', 'T109');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M113', 'T110');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M114', 'T101');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M114', 'T106');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M114', 'T108');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M114', 'T113');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M115', 'T115');**

**INSERT INTO MALL\_T\_OFFICERS VALUES('M115', 'T116');**

**INSERT INTO TIMING VALUES ('MTWTF', '10:00 AM', '6:00 PM', 'M101');**

**INSERT INTO TIMING VALUES ('MTWTFS', '09:00 AM', '7:00 PM', 'M102');**

**INSERT INTO TIMING VALUES ('SMTWTF', '10:30 AM', '8:00 PM', 'M103');**

**INSERT INTO TIMING VALUES ('MTTFS', '11:00 AM', '6:30 PM', 'M104');**

**INSERT INTO TIMING VALUES ('SMTWFS', '09:30 AM', '7:30 PM', 'M105');**

**INSERT INTO TIMING VALUES ('SMWTF', '10:00 AM', '5:30 PM', 'M106');**

**INSERT INTO TIMING VALUES ('MWTFS', '11:30 AM', '4:00 PM', 'M107');**

**INSERT INTO TIMING VALUES ('SMTWTFS', '12:00 AM', '6:00 PM', 'M108');**

**INSERT INTO TIMING VALUES ('SMTTS', '09:00 AM', '5:30 PM', 'M109');**

**INSERT INTO TIMING VALUES ('STWTFS', '10:40 AM', '7:00 PM', 'M110');**

**INSERT INTO TIMING VALUES ('SMTWTS', '09:40 AM', '8:00 PM', 'M111');**

**INSERT INTO TIMING VALUES ('SMTWTF', '11:30 AM', '7:30 PM', 'M112');**

**INSERT INTO TIMING VALUES ('MTWTFS', '12:00 AM', '8:30 PM', 'M113');**

**INSERT INTO TIMING VALUES ('SMWTS', '11:00 AM', '9:00 PM', 'M114');**

**INSERT INTO TIMING VALUES ('MTTFS', '10:50 AM', '10:00 PM', 'M115');**

**INSERT INTO STORE\_CATEGORIES VALUES('S100','GROCERY');**

**INSERT INTO STORE\_CATEGORIES VALUES('S101','FURNITURES');**

**INSERT INTO STORE\_CATEGORIES VALUES('S102','CLOTHING');**

**INSERT INTO STORE\_CATEGORIES VALUES('S103','ACCESSORIES');**

**INSERT INTO STORE\_CATEGORIES VALUES('S104','PHARMACY');**

**INSERT INTO STORE\_CATEGORIES VALUES('S105','SERVICE STATIONS');**

**INSERT INTO STORE\_CATEGORIES VALUES('S106','ELECTRONICS');**

**INSERT INTO STORE\_CATEGORIES VALUES('S107','JEWELLERY');**

**INSERT INTO STORE\_CATEGORIES VALUES('S108','STATIONARY');**

**INSERT INTO STORE\_CATEGORIES VALUES('S109','FOOTWEARS');**

**INSERT INTO STORE\_CATEGORIES VALUES('S110','PET');**

**INSERT INTO STORE\_CATEGORIES VALUES('S111','DEPARTMENT');**

**INSERT INTO STORES VALUES('SI201', 'ARROWS', 5300, 'T106','S101', 'M101');**

**INSERT INTO STORES VALUES('SI202', 'SHOPULSE', 4500, 'T104','S111', 'M101');**

**INSERT INTO STORES VALUES('SI203', 'SPEED APPAREL', 6200, 'T105','S103', 'M102');**

**INSERT INTO STORES VALUES('SI204', 'SMILE LOVES', 6300, 'T110','S105', 'M103');**

**INSERT INTO STORES VALUES('SI205', 'BESTMART', 5900, 'T104','S101', 'M103');**

**INSERT INTO STORES VALUES('SI206', 'BUY YOUR DREAM', 5400, 'T107','S109', 'M103');**

**INSERT INTO STORES VALUES('SI207', 'SHOPNEST', 4400, 'T112','S104', 'M104');**

**INSERT INTO STORES VALUES('SI208', 'LIBERTY LAND', 5300, 'T113','S108', 'M104');**

**INSERT INTO STORES VALUES('SI209', 'WALK IN WONDERS', 5500, 'T105','S103', 'M105');**

**INSERT INTO STORES VALUES('SI210', 'DRESSY GIRLZ', 6200, 'T105','S102', 'M105');**

**INSERT INTO STORES VALUES('SI211', 'FAST PACED', 5100, 'T108','S107', 'M106');**

**INSERT INTO STORES VALUES('SI212', 'JIVE SHOP', 4500, 'T101','S106', 'M106');**

**INSERT INTO STORES VALUES('SI213', 'BUYNOW', 4700, 'T108','S111', 'M107');**

**INSERT INTO STORES VALUES('SI214', 'SHOP HOP', 4800, 'T107','S103', 'M107');**

**INSERT INTO STORES VALUES('SI215', 'FRESH FOOD', 6300, 'T112','S101', 'M108');**

**INSERT INTO STORES VALUES('SI216', 'MALLTUDE', 7200, 'T108','S105', 'M109');**

**INSERT INTO STORES VALUES('SI217', 'BESTBUY', 6300, 'T109','S109', 'M109');**

**INSERT INTO STORES VALUES('SI218', 'GREEN SHOP', 6600, 'T109','S101', 'M109');**

**INSERT INTO STORES VALUES('SI219', 'SUNLIVES', 5700, 'T113','S104', 'M110');**

**INSERT INTO STORES VALUES('SI220', 'THE CORNER SHOP', 5300, 'T111','S106', 'M111');**

**INSERT INTO STORES VALUES('SI221', 'MYSHOP', 5500, 'T111','S108', 'M111');**

**INSERT INTO STORES VALUES('SI222', 'GOODSHOP', 7500, 'T108','S109', 'M112');**

**INSERT INTO STORES VALUES('SI223', 'BUZZSHOP', 7200, 'T104','S105', 'M112');**

**INSERT INTO STORES VALUES('SI224', 'LUXURY LINES', 6400, 'T102','S102', 'M113');**

**INSERT INTO STORES VALUES('SI225', 'THREADS AND BLOOMS', 5200, 'T110','S102', 'M113');**

**INSERT INTO STORES VALUES('SI226', 'BLUE SHELVES', 6900, 'T110','S108', 'M113');**

**INSERT INTO STORES VALUES('SI227', 'GIFTS AND GLAM', 7100, 'T113','S103', 'M114');**

**INSERT INTO STORES VALUES('SI228', 'XSHOP', 5700, 'T115','S101', 'M115');**

**INSERT INTO STORES VALUES('SI229', 'THE ROYAL REALITY', 4200, 'T116','S107', 'M115');**

**INSERT INTO FOOD\_TYPES VALUES('FT101','RESTAURANT');**

**INSERT INTO FOOD\_TYPES VALUES('FT102','CAFE');**

**INSERT INTO FOOD\_TYPES VALUES('FT103','ICE CREAM PARLOUR');**

**INSERT INTO FOOD\_TYPES VALUES('FT104','FOOD STALLS');**

**INSERT INTO FOOD\_TYPES VALUES('FT105','BAKERY');**

**INSERT INTO FOOD\_TYPES VALUES('FT106','JUICE SHOP');**

**INSERT INTO FOOD\_CORNERS VALUES('FC101','MCDONALDS',6000,'T104','FT101','M101');**

**INSERT INTO FOOD\_CORNERS VALUES('FC102','DREAMY CREAMY',3500,'T112','FT103','M104');**

**INSERT INTO FOOD\_CORNERS VALUES('FC103','BHEL PURI',2000,'T108','FT104','M109');**

**INSERT INTO FOOD\_CORNERS VALUES('FC104','DOMINOS PIZZA',6500,'T113','FT101','M102');**

**INSERT INTO FOOD\_CORNERS VALUES('FC105','JUICE MASTERS',3000,'T106','FT106','M114');**

**INSERT INTO FOOD\_CORNERS VALUES('FC106','AMUL',4000,'T107','FT105','M107');**

**INSERT INTO FOOD\_CORNERS VALUES('FC107','BASKIN-ROBBINS',4000,'T105','FT103','M105');**

**INSERT INTO FOOD\_CORNERS VALUES('FC108','PIZZA HUT',6000,'T107','FT101','M103');**

**INSERT INTO FOOD\_CORNERS VALUES('FC109','CANDY SHOP',2000,'T104','FT104','M110');**

**INSERT INTO FOOD\_CORNERS VALUES('FC110','NATURALS',3000,'T116','FT106','M115');**

**INSERT INTO FOOD\_CORNERS VALUES('FC111','VERKA MILK',4000,'T112','FT105','M108');**

**INSERT INTO FOOD\_CORNERS VALUES('FC112','KFC',8000,'T111','FT101','M104');**

**INSERT INTO FOOD\_CORNERS VALUES('FC113','CCD',6000,'T101','FT102','M106');**

**INSERT INTO FOOD\_CORNERS VALUES('FC114','CAKE INDUSTRY',5000,'T109','FT105','M109');**

**INSERT INTO FOOD\_CORNERS VALUES('FC115','NESCAFE',2500,'T103','FT102','M107');**

**INSERT INTO FOOD\_CORNERS VALUES('FC116','FUN FOOD',3000,'T108','FT104','M111');**

**INSERT INTO FOOD\_CORNERS VALUES('FC117','JUICE MASTERS',4000,'T106','FT106','M101');**

**INSERT INTO FOOD\_CORNERS VALUES('FC118','DOMINOS PIZZA',6000,'T109','FT101','M105');**

**INSERT INTO FOOD\_CORNERS VALUES('FC119','BRU',2500,'T111','FT102','M108');**

**INSERT INTO FOOD\_CORNERS VALUES('FC120','CREAM VILLA',4500,'T113','FT103','M110');**

**INSERT INTO FOOD\_CORNERS VALUES('FC121','CRUNCHY BALLS',3500,'T104','FT104','M112');**

**INSERT INTO FOOD\_CORNERS VALUES('FC122','AMUL',5500,'T107','FT105','M111');**

**INSERT INTO FOOD\_CORNERS VALUES('FC123','TROPICANA',4500,'T105','FT106','M102');**

**INSERT INTO FOOD\_CORNERS VALUES('FC124','CCD',5000,'T110','FT102','M113');**

**INSERT INTO FOOD\_CORNERS VALUES('FC125','BASKIN-ROBBINS',4000,'T115','FT103','M115');**

**INSERT INTO FOOD\_CORNERS VALUES('FC126','KFC',8000,'T101','FT101','M106');**

**INSERT INTO FOOD\_CORNERS VALUES('FC127','NESCAFE',2500,'T113','FT102','M110');**

**INSERT INTO FOOD\_CORNERS VALUES('FC128','MCDONALDS',6000,'T102','FT101','M113');**

**INSERT INTO FOOD\_CORNERS VALUES('FC129','NATURALS',3000,'T104','FT106','M103');**

**INSERT INTO FOOD\_CORNERS VALUES('FC130','AMUL',5500,'T108','FT105','M112');**

**INSERT INTO GAMES VALUES(G101,'CAR DASH',10,250);**

**INSERT INTO GAMES VALUES(G102,'BOWLING',6,500);**

**INSERT INTO GAMES VALUES(G103,'LAZER CASTLE',8,300);**

**INSERT INTO GAMES VALUES(G104,'VR REAL CRICKET',2,600);**

**INSERT INTO GAMES VALUES(G105,'PLAYBOX KIDS',6,200);**

**INSERT INTO GAMES VALUES(G106,'TABLE TENNIS',2,150);**

**INSERT INTO GAMES VALUES(G107,'ARCADE BASKETBALL',2,200);**

**INSERT INTO GAMES VALUES(G108,'DART GAMES',2,150);**

**INSERT INTO GAMES VALUES(G109,'8 BALL POOL',2,150);**

**INSERT INTO GAMES VALUES(G110,'PLAY STATION',6,100);**

**INSERT INTO GAMES VALUES(G111,'MOTO GP',1,250);**

**INSERT INTO GAMES VALUES(G112,'GUN GAME',1,250);**

**INSERT INTO GAMES VALUES(G113,'AIR HOCKEY',2,300);**

**INSERT INTO GAMES VALUES(G114,'TABLE FOOTBALL',4,100);**

**INSERT INTO GAMES VALUES(G115,'SHOOTING',1,300);**

**INSERT INTO GAME\_ZONE VALUES(G101,4450,T104,M112);**

**INSERT INTO GAME\_ZONE VALUES(G110,4000,T111,M108);**

**INSERT INTO GAME\_ZONE VALUES(G111,3350,T105,M102);**

**INSERT INTO GAME\_ZONE VALUES(G104,4320,T109,M109);**

**INSERT INTO GAME\_ZONE VALUES(G101,4050,T116,M104);**

**INSERT INTO GAME\_ZONE VALUES(G106,3450,T106,M107);**

**INSERT INTO GAME\_ZONE VALUES(G102,4000,T110,M113);**

**INSERT INTO GAME\_ZONE VALUES(G105,4554,T114,M101);**

**INSERT INTO GAME\_ZONE VALUES(G103,2950,T108,M111);**

**INSERT INTO GAME\_ZONE VALUES(G113,5450,T115,M115);**

**INSERT INTO GAME\_ZONE VALUES(G112,4720,T107,M103);**

**INSERT INTO GAME\_ZONE VALUES(G104,4523,T113,M110);**

**INSERT INTO GAME\_ZONE VALUES(G102,3650,T101,M114);**

**INSERT INTO GAME\_ZONE VALUES(G113,3780,T108,M112);**

**INSERT INTO GAME\_ZONE VALUES(G115,3500,T106,M105);**

**INSERT INTO GAME\_ZONE VALUES(G107,4455,T110,M103);**

**INSERT INTO GAME\_ZONE VALUES(G109,4000,T108,M106);**

**INSERT INTO GAME\_ZONE VALUES(G108,3250,T113,M114);**

**INSERT INTO GAME\_ZONE VALUES(G114,3400,T107,M101);**

**INSERT INTO GAME\_ZONE VALUES(G111,3000,T108,M112);**

**INSERT INTO GAME\_ZONE VALUES(G106,5100,T104,M103);**

**INSERT INTO GAME\_ZONE VALUES(G112,4000,T103,M102);**

**INSERT INTO GAME\_ZONE VALUES(G115,4050,T109,M105);**

**INSERT INTO GAME\_ZONE VALUES(G107,4350,T104,M101);**

**INSERT INTO GAME\_ZONE VALUES(G109,4850,T109,M109);**

**INSERT INTO MOVIE\_THEATRES VALUES('PVR',8,3,15000,'T107','M101');**

**INSERT INTO MOVIE\_THEATRES VALUES('INOX',5,2,12000,'T105','M102');**

**INSERT INTO MOVIE\_THEATRES VALUES('PVR',7,4,15000,'T116','M104');**

**INSERT INTO MOVIE\_THEATRES VALUES('CINEWORLD',9,3,17000,'T105','M106');**

**INSERT INTO MOVIE\_THEATRES VALUES('PATHE',6,2,18000,'T107','M108');**

**INSERT INTO MOVIE\_THEATRES VALUES('HOYTS',8,2,19000,'T109','M109');**

**INSERT INTO MOVIE\_THEATRES VALUES('INOX',5,1,14000,'T104','M110');**

**INSERT INTO MOVIE\_THEATRES VALUES('INOX',7,3,14000,'T108','M111');**

**INSERT INTO MOVIE\_THEATRES VALUES('CINEPLEX',8,2,16000,'T110','M113');**

**INSERT INTO MOVIE\_THEATRES VALUES('CINEWORLD',7,4,17000,'T113','M114');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT103','M101');**

**INSERT INTO CONCESSION\_STAND VALUES('ST202','FT104','M101');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT106','M102');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT104','M104');**

**INSERT INTO CONCESSION\_STAND VALUES('ST202','FT103','M104');**

**INSERT INTO CONCESSION\_STAND VALUES('ST203','FT104','M104');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT104','M106');**

**INSERT INTO CONCESSION\_STAND VALUES('ST202','FT106','M106');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT103','M108');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT104','M109');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT103','M110');**

**INSERT INTO CONCESSION\_STAND VALUES('ST202','FT106','M110');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT106','M111');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT104','M113');**

**INSERT INTO CONCESSION\_STAND VALUES('ST201','FT103','M114');**

**INSERT INTO CONCESSION\_STAND VALUES('ST202','FT104','M114');**

**INSERT INTO ATM VALUES('SBI',9000,'T106','M101');**

**INSERT INTO ATM VALUES('HDFC',9000,'T107','M101');**

**INSERT INTO ATM VALUES('ICICI',9000,'T109','M102');**

**INSERT INTO ATM VALUES('SBI',9000,'T104','M103');**

**INSERT INTO ATM VALUES('YES',9000,'T111','M104');**

**INSERT INTO ATM VALUES('KOTAK',9000,'T105','M105');**

**INSERT INTO ATM VALUES('HDFC',9000,'T109','M105');**

**INSERT INTO ATM VALUES('PNB',9000,'T108','M107');**

**INSERT INTO ATM VALUES('CBI',9000,'T105','M109');**

**INSERT INTO ATM VALUES('ICICI',9000,'T108','M109');**

**INSERT INTO ATM VALUES('YES',9000,'T113','M110');**

**INSERT INTO ATM VALUES('PNB',9000,'T104','M112');**

**INSERT INTO ATM VALUES('PNB',9000,'T110','M113');**

**INSERT INTO ATM VALUES('KOTAK',9000,'T102','M113');**

**INSERT INTO ATM VALUES('SBI',9000,'T115','M115');**

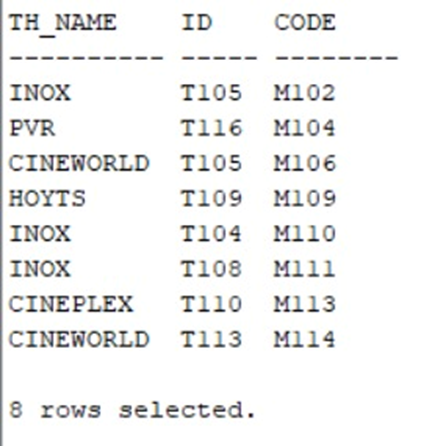
**SQL QUERIES:**

**1)Retrieve the details of movie theaters along with their associated tenant officers and mall details**

**QUERY:**

**SELECT MT., TO.\*, M.FROM MOVIE\_THEATRES MTJOIN TENANT\_OFFICERS TO ON MT.TENANT\_ID = TO.IDJOIN MALL M ON MT.MALL\_CODE = M.CODE;**

**OUTPUT:**

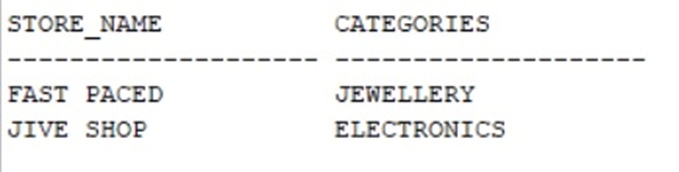
****

**2)Retrieve the details of all stores in a specific mall along with their corresponding category**

**Query:**

**SELECT S.store\_name, SC.CATEGORIES FROM STORES SJOIN STORE\_CATEGORIES SC ON S.CATEGORY\_ID = SC.IDWHERE S.MALL\_CODE = 'M106';**

**OUTPUT:**

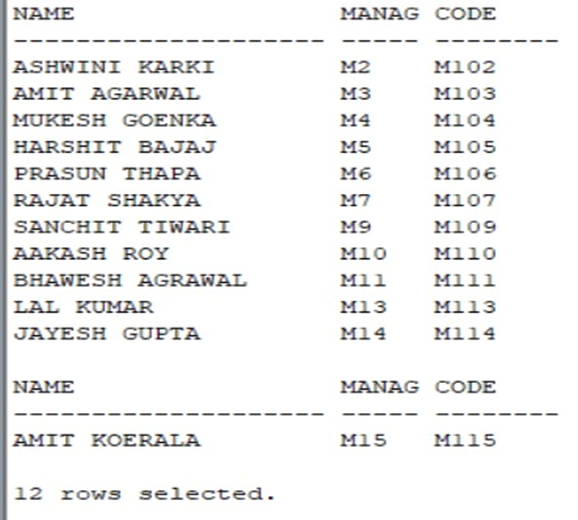
****

**3)Retrieve the details of all mall managers along with their corresponding mall details**

**Query:**

**SELECT MM."NAME",MM.MANAGER\_ID, M.CODEFROM MALL\_MANAGERS MMJOIN MALL M ON MM.MALL\_CODE = M.CODE;**

**OUTPUT:**

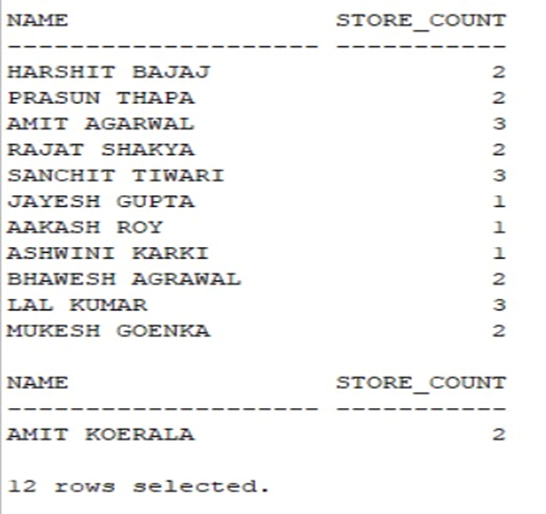
****

**4)Retrieve the names of all mall managers along with the count of stores they manage**

**Query:**

**SELECT MM.NAME, COUNT(S.STORE\_ID) AS STORE\_COUNTFROM MALL\_MANAGERS MMLEFT JOIN MALL M ON MM.MALL\_CODE = M.CODE LEFT JOIN STORES S ON M.CODE = S.MALL\_CODEGROUP BY MM.NAME;**

**OUTPUT:**

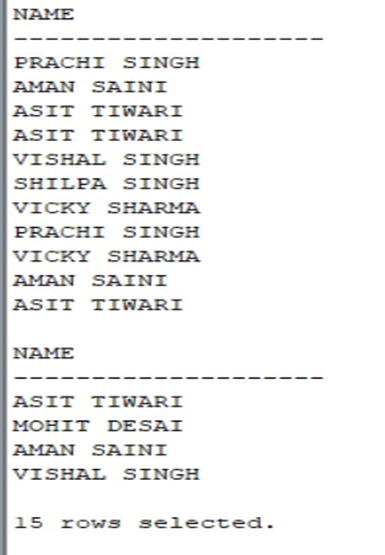
****

**5)Retrieve the names of tenant officers who work in both food corners and movie theaters**

**Query:**

**SELECT TOF."NAME"FROM TENANT\_OFFICERS TOF JOIN FOOD\_CORNERS FC ON TOF."ID" = FC.TENANT\_IDJOIN MOVIE\_THEATRES MT ON TOF."ID" = MT.TENANT\_ID;**

**OUTPUT:**

****