3F Properties Database Documentation

Issac Badro, Teagan Burroughs, Mary Vu, Jenna Williams

INMT 342
Robert Fuller
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create table Owner (
  OwnerID int primary key,
  Owner_FirstName varchar(15),
  Owner_LastName varchar(15),
  Owner_Street varchar(15),
  Owner_City varchar(15),
  Owner_State varchar(12),
  Owner_Zip varchar(20),
  Owner_PhoneNumber varchar(20)
);


create table Property (
  Property_ID int primary key,
  Street varchar(20),
```

```sql
 City varchar(20),
 Property_State varchar(12),
 Zip varchar(20),
 RealEstate_FolioNumber int,
 Property_Type varchar(20) NOT NULL,
 Purchase_Date date,
 Purchase_Price decimal(11,2)
 constraint Property_FK foreign key (Property_ID) references [OWNER](OwnerID)
);


create table Potential_Property (
  PotentialProperty_ID int primary key,
  #_of_Bedrooms int,
  #_of_Bathrooms int,
  SquareFootage int,
  Acreage int,
  Exit_Strategy varchar(30),
  Violations varchar(20),
  Current_Price decimal(11,2),
  property_id int
  constraint Potential_PropertyFK foreign key (Property_ID) references
Property(Property_ID)
);


CREATE TABLE Business_Partner(
   Partner_ID int PRIMARY KEY,
   Partner_Name varchar(40),
   Material_Used varchar(40),
   Partner_Type varchar(25) NOT NULL
);


Create Table Lender (
Lender_ID INT primary key,
Partner_ID INT,
Lender_Name varchar(30),
Lender_Address varchar(30),
Lender_Phone_Number char(13),
Contact_Name varchar(30)
```

```sql
constraint LenderFK foreign key (Partner_ID) references
Business_Partner(Partner_ID))
;



Create Table Loan (
Loan_ID Int Primary Key,
  Lender_ID INT,
  Type_of_Loan Varchar (20),
  Closing_Costs Dec (11,2),
  Purchase_Price dec (11,2),
  Repair_costs Dec (11,2),
  Date_of_Loan date,
  Length_of_Loan Int,
  Repayment_Date Date,
  Interest_Rate Dec (4,2),
  Origination_Point Varchar (30),
  Monthly_Mortgage Dec (8,2),
  Total_Monthly_Mortgage Dec (8,2)
Constraint Lender_ID_FK Foreign Key (Lender_ID)
REFERENCES Lender(Lender_ID)
);



create table WIP_Property (
  WIPProperty_ID int primary key,
  Property_ID int,
  Allocated_Rehabilitation_Amount decimal(11,2),
  Total_Rehabilitation_Amount decimal(11,2),
  Value_After_Repair decimal(11,2),
  Improvement_Date date,
  Loan_ID int NOT NULL,
   constraint WIP_PropertyFK1 foreign key (Property_ID) references
Property(Property_ID),
   constraint WIP_PropertyFK2 foreign key (Loan_ID) references Loan(Loan_ID)
);



create table Rental_Property (
  RentalProperty_ID int primary key,
  Section_8 varchar(3),
  Government_Amount decimal(11,2),
```

```sql
  property_id int
  constraint Rental_PropertyFK foreign key (RentalProperty_ID) references
Property(Property_ID)
);


create table Sold_Property (
 SoldProperty_ID int primary key,
 Total_Rehabilitation_Cost decimal(11,2),
 Selling_Price decimal(11,2),
 Net_Profit decimal(11,2),
 Selling_Agent varchar(50),
 Closing_Cost decimal(11,2)
 constraint Sold_PropertyFK foreign key (SoldProperty_ID) references
Property(Property_ID)
);


Create Table Item (
Item_ID int primary key,
Item_Name varchar(30),
Item_Description varchar(30),
Cost decimal(11,2),
Item_Use varchar(30));


Create Table Supplier (
Supplier_ID int primary key,
Partner_ID int,
Supplier_Name varchar(50),
Supplier_Number char(13),
Supplier_Address varchar(30),
Company_Discount decimal(11,2),
Supplier_Type varchar(20),
Item_ID int
constraint SupplierFK foreign key (Partner_ID) references
Business_Partner(Partner_ID),
constraint SupplierFK2 foreign key (Item_ID) references Item(Item_ID)
);


Create Table Purchase_Order (
```

```sql
PO_Number int primary key,
PO_Date datetime,
PO_Total decimal (11,2),
Supplier_ID int
Constraint Purchase_OrderFK foreign key (Supplier_ID) references
Supplier(Supplier_ID));


Create Table Purchase_Orderline (
Purchase_Orderline_ID int primary key,
PO_Quantity int,
Item_ID int,
PO_Number int
constraint Purchase_OrderlineFK foreign key (Item_ID) references Item(Item_ID),
constraint Purchase_OrderlineFK2 foreign key (PO_Number) references
Purchase_Order(PO_Number))


Create Table Subcontractor (
Subcontractor_ID int primary key,
Partner_ID int,
Subcontractor_Name varchar(20),
Subcontractor_Address varchar(40),
Subcontractor_Number char(13),
Hourly_Rate decimal(11,2),
Historical_Wages decimal(11,2),
Historical_Bonuses decimal(11,2),
Hours_Worked int,
Days_Worked int
constraint SubcontractorFK foreign key (Partner_ID) references
Business_Partner(Partner_ID)
);


CREATE TABLE Skill(
    Skill_ID int PRIMARY KEY,
    Skill_Name varchar(20),
);


CREATE TABLE Subcontractor_Skill(
    Subcontractor_Skill_ID int Primary KEY,
```

```sql
    Subcontractor_ID int,
    Skill_ID INT,
    CONSTRAINT Subcontractor_SkillFK FOREIGN KEY (Subcontractor_ID) REFERENCES
Subcontractor(Subcontractor_ID),
    CONSTRAINT Subcontractor_SKillFK2 FOREIGN KEY (Skill_ID)REFERENCES
Skill(Skill_ID)
);


CREATE TABLE Tool(
    Tool_ID int PRIMARY KEY,
    Tool_Name varchar(30),
);


CREATE TABLE Subcontractor_Tool(
    Subcontractor_Tool_ID int PRIMARY KEY,
    Subcontractor_ID int,
    Tool_ID int,
    CONSTRAINT Subcontractor_ToolFK FOREIGN KEY (Subcontractor_ID) REFERENCES
Subcontractor(Subcontractor_ID),
    CONSTRAINT Subcontractor_ToolFK2 FOREIGN KEY (Tool_ID) REFERENCES
Tool(Tool_ID)
);


CREATE TABLE Business_Contact(
  Business_Contact_ID int PRIMARY KEY,
  Company_Name VARCHAR(40),
  Business_Address VARCHAR(50),
  Business_Number VARCHAR(15),
  Geographic_Specialization VARCHAR(30),
  Commission_Structure VARCHAR(50),
  partner_id int,
  potentialproperty_id int
constraint Business_ContactFK foreign key (partner_ID) references
Business_Partner(Partner_ID),
constraint Business_ContactFK1 foreign key (potentialproperty_ID) REFERENCES
Potential_Property(PotentialProperty_ID)
);
```

```sql
Create Table Tenant(
  Tenant_ID INT Primary Key,
  Tenant_Name Varchar (50)
);




Create Table Lease (
  Lease_ID INT PRIMARY Key,
  Tenant_ID INT,
  Lease_Start_Date date,
  Lease_End_Date DATE,
  Deposit_Amount DEC (11,2),
  Monthly_Rate Dec (11,2),
  Late_Fee DEC (5,2),
  Date_of_Late_Fee DATE,
  property_ID INT
  constraint LeaseFK Foreign key (Tenant_ID) references tenant(tenant_id),
  CONSTRAINT Lease_FK foreign key (Property_ID) references Property
(Property_ID)
);




Create Table Repair (
  Repair_ID INT Primary Key,
  Allocated_Budgeted DEC (11,2),
  Actual_Repair_Costs Dec (11,2),
  Permit_Costs Dec (11,2),
  Permit_Required Varchar (20),
  property_ID INT
  CONSTRAINT RepairFK foreign key (Property_ID) references Property
(Property_ID)
);




Create Table Maintenance (
  Maintenance_ID INT Primary Key,
  Maintenance_Date DATE,
  Cost_of_Labor Dec (11,2),
  Cost_of_Materials Dec (11,2),
  Tasks_Completed Varchar (50),
  Warranty VARCHAR (3),
  Property_ID int
```

```sql
CONSTRAINT MaintenanceFK foreign key (Property_ID) references Property
(Property_ID)
);



Create Table Escrow_Account (
  Account_ID Int Primary Key,
  Account_Name varchar (40),
  Initial_Account_Balance Dec (11,2),
);



Create Table Draw(
  Draw_ID Int Primary Key,
  Associated_Escrow_Account Int not null,
  Date_Created Date,
  Draw_Use varchar (50),
  Fee_Incurred Dec (11,2)
);



INSERT INTO Skill VALUES(101, 'Plumbing');
INSERT INTO Skill VALUES(102, 'HVAC');
INSERT INTO Skill VALUES(103, 'Electrical');
INSERT INTO Skill VALUES(104, 'Carpentry');
INSERT INTO Skill VALUES(105, 'Lawn Care');
INSERT INTO Skill VALUES(106, 'Roof Repair');
INSERT INTO Skill VALUES(107, 'Tile Installation');
INSERT INTO Skill VALUES(108, 'Painting');
INSERT INTO Skill VALUES(109, 'Framing');
INSERT INTO Skill VALUES(110, 'Woodwork');



INSERT INTO Tool VALUES(120, 'Drill');
INSERT INTO Tool VALUES(121, 'Saw');
INSERT INTO Tool VALUES(122, 'Hammer');
INSERT INTO Tool VALUES(123, 'Wrench');
INSERT INTO Tool VALUES(124, 'Level');
INSERT INTO Tool VALUES(125, 'Measuring Tape');
INSERT INTO Tool VALUES(126, 'Nail Gun');
INSERT INTO Tool VALUES(127, 'Paint Gun');
INSERT INTO Tool VALUES(128, 'Pliers');
```

```sql
INSERT INTO Tool VALUES(129, 'Screwdriver');



insert into [Owner] values (1, 'John', 'Doe', '123 Main St', 'Anytown', 'CA',
'12345-6789', '(555)123-4567');
insert into [Owner] values (2, 'Jane', 'Smith', '456 Elm St', 'Othertown',
'NY', '98765-4321', '(555)987-6543');
insert into [Owner] values (3, 'Michael', 'Johnson', '789 Oak St', 'Sometown',
'TX', '54321-9876', '(555)456-7890');
insert into [Owner] values (4, 'Emily', 'Williams', '321 Pine St',
'Anothertown', 'FL', '67890-1234', '(555)234-5678');
insert into [Owner] values (5, 'Christopher', 'Brown', '654 Maple St',
'Yetanothertown', 'WA', '87654-2109', '(555)789-0123');
insert into [Owner] values (6, 'Amanda', 'Jones', '987 Cedar St',
'Somewhereville', 'OR', '43210-9876', '(555)345-6789');
insert into [Owner] values (7, 'Daniel', 'Garcia', '135 Birch St',
'Nowhereville', 'IL', '76543-2109', '(555)890-1234');
insert into [Owner] values (8, 'Jessica', 'Martinez', '246 Walnut St',
'Anywhere', 'NV', '10987-6543', '(555)678-9012');
insert into [Owner] values (9, 'Matthew', 'Rodriguez', '357 Spruce St',
'Everytown', 'OH', '87654-3210', '(555)456-7890');
insert into [Owner] values (10, 'Sarah', 'Lopez', '468 Fir St', 'Anystate',
'GA', '21098-7654', '(555)901-2345');



insert into Property VALUES (1, '123 Main St', 'Anytown', 'CA', '12345-6789',
987654321, 'WIP', '2023-01-15', 250000.00);
insert into Property values (2, '456 Elm St', 'Othertown', 'NY', '98765-4321',
876543210, 'Rental', '2023-03-20', 500000.00);
insert into Property values (3, '789 Oak St', 'Sometown', 'TX', '54321-9876',
765432109, 'Sold', '2023-02-10', 300000.00);
insert into Property values (4, '321 Pine St', 'Anothertown', 'FL',
'67890-1234', 654321098, 'Potential', '2023-04-25', 150000.00);
insert into Property values (5, '654 Maple St', 'Yetanothertown', 'WA',
'87654-2109', 543210987, 'Rental', '2023-06-30', 750000.00);
insert into Property values (6, '987 Cedar St', 'Somewhereville', 'OR',
'43210-9876', 432109876, 'Sold', '2023-05-05', 350000.00);
insert into Property values (7, '135 Birch St', 'Nowhereville', 'IL',
'76543-2109', 321098765, 'WIP', '2023-08-12', 600000.00);
insert into Property values (8, '246 Walnut St', 'Anywhere', 'NV',
'10987-6543', 210987654, 'Potential', '2023-07-18', 400000.00);
```

```sql
insert into Property values (9, '357 Spruce St', 'Everytown', 'OH',
'87654-3210', 109876543, 'Rental', '2023-09-23', 200000.00);
insert into Property values (10, '468 Fir St', 'Anystate', 'GA', '21098-7654',
987654321, 'Sold', '2023-10-05', 800000.00);


insert into Potential_Property VALUES (1, 3, 2, 2000, 0.5, 'Fix and Flip',
'None', 150000.00,1);
insert into Potential_Property values (2, 4, 3, 2500, 1.0, 'Hold and Rent',
'Expired Permit', 200000.00,2);
insert into Potential_Property values (3, 2, 1, 1500, 0.25, 'Fix and Flip',
'Zoning Violation', 120000.00,3);
insert into Potential_Property values (4, 5, 4, 3000, 0.75, 'Fix and Flip',
'Code Violation', 250000.00,4);
insert into Potential_Property values (5, 3, 2, 1800, 0.3, 'Hold and Rent',
'None', 180000.00,5);
insert into Potential_Property values (6, 4, 3, 2200, 0.4, 'Fix and Flip',
'None', 170000.00,6);
insert into Potential_Property values (7, 2, 1, 1400, 0.2, 'Hold and Rent',
'Expired Permit', 130000.00,7);
insert into Potential_Property values (8, 3, 2, 1900, 0.35, 'Fix and Flip',
'Zoning Violation', 160000.00,8);
insert into Potential_Property values (9, 4, 3, 2400, 0.5, 'Hold and Rent',
'Code Violation', 220000.00,9);
insert into Potential_Property values (10, 2, 1, 1600, 0.25, 'Fix and Flip',
'None', 140000.00,10);


INSERT INTO Business_Partner VALUES(101, 'Stellar Funding','Cash','Lender');
INSERT INTO Business_Partner VALUES(102, 'Marty
Smith','Plumbing','Subcontractor');
INSERT INTO Business_Partner VALUES(103, 'Summit Financing','Cash','Lender');
INSERT INTO Business_Partner VALUES(104, 'Business Solutions','Office
Chairs','Supplier');
INSERT INTO Business_Partner VALUES(105, 'Perry
Johnson','HVAC','Subcontractor');
INSERT INTO Business_Partner VALUES(106, 'Money Now Loans','Cash','Lender');
INSERT INTO Business_Partner VALUES(107, 'SwiftSupplies','Pens','Supplier');
INSERT INTO Business_Partner VALUES(108, 'WoodNow','Wood','Supplier');
INSERT INTO Business_Partner VALUES(109, 'John
Lincoln','Painting','Subcontractor');
INSERT INTO Business_Partner VALUES(110, 'Liberty Lenders', 'Cash','Lender');
```

```sql
INSERT INTO Business_Contact VALUES(110, 'BlueSky Ventures','445 Main
St','889-752-9957','Southwest','20% of Sales', 101,1);
INSERT INTO Business_Contact VALUES(120, 'StellarCraft Designs', '711 Pine
Rd','665-581-3320','Northeast','15% of Sales',102,2);
INSERT INTO Business_Contact VALUES(130, 'Sunburst Solar Energy','521 Cherry
St','887-632-4788','Northwest','10% of Sales',103,3);
INSERT INTO Business_Contact VALUES(140, 'Heritage Home Renovations', '315
Heritage Rd','865-554-9833','Southwest','30% of Sales',104,4);
INSERT INTO Business_Contact VALUES(150, 'AquaFlow Plumbing', '422 Water
St','451-847-6201', 'Southeast','23% of Sales',105,5);
INSERT INTO Business_Contact VALUES(160, 'BrightWave Painting', '879 Merry
Rd','325-841-7813','East','12.5% of Sales',106,6);
INSERT INTO Business_Contact VALUES(170, 'Sparkle Homes', '665 Perry
St','348-913-6140','South','5% of Sales',107,7);
INSERT INTO Business_Contact VALUES(180, 'PrimeSouce Materials','558 Ceder
Rd','983-654-2210','North','2% of Sales',108,8);
INSERT INTO Business_Contact VALUES(190, 'Evergreen Landscaping','225 Plum
St','687-345-6680','West','10% of Sales',109,9);
INSERT INTO Business_Contact VALUES(200, 'SilverOak Construction','755 Spurce
Rd','514-325-9410','Southeast','4% of Sales',108,8);


INSERT INTO LENDER VALUES (738, 101, 'Jones Jones Co','1892 Apple St. Knoxvlle
37909',  '(789)738-3278','Barbara Manatee');
INSERT INTO LENDER VALUES (19, 102, 'Loans Galore','123 Fake St. Springfld
12345','(865)267-1782','Ruth Johnson');
INSERT INTO LENDER VALUES (278, 103, 'Lending Is Fun','456 Elm Ave. Rivertown
54321','(783)898-7183','Billy James');
INSERT INTO LENDER VALUES (748, 104, 'Money Good','789 Maple Ln. Lakeside
98765','(728)671-9109','Cooper Roan');
INSERT INTO LENDER VALUES (29, 105, 'Loaning Swag','101 Pine Dr. Hillcrest
13579','(981)278-7199','Jill Bradshaw');
INSERT INTO LENDER VALUES (7829, 104, 'Bank of Swag','246 Oak Rd. Meadowville
97531','(728)781-7289','Hulk Sulk');
INSERT INTO LENDER VALUES (9282, 106, 'Kentucky Loans','369 Cedar Ct.
Valleyview 24680','(156)145-1567','Bob Train');
INSERT INTO LENDER VALUES (5175, 107, 'Texas Loaning Co','482 Birch Pl.
Woodland 86420','(718)781-1234','Ligament Goins');
INSERT INTO LENDER VALUES (7188, 108, 'People Lending','575 Walnut Way
Mntnville 63928','(516)738-9199','Father Quinn');
```

```sql
INSERT INTO LENDER VALUES (65271, 109, 'Great Loans','680 Spruce St. Lakeshore
75309','(423)728-3415','Joe Toes');
INSERT INTO LENDER VALUES (6717, 102, 'Lit Bank Co','793 Ash Ave. Brookside
46802','(019)781-0083','Growth Chocolate');


INSERT INTO Loan VALUES (481329, 738, 'WIP Property', 3000, 68000, 11000,
'09-12-2023', 90, '12-12-2023', 4.5, 'Lender', 950, 1020);
INSERT INTO Loan VALUES (274872, 19, 'WIP Property', 2500, 75000, 12000,
'01-26-2019', 90, '04-26-2019', 4.7, 'Lender',1000, 1150);
INSERT INTO Loan VALUES (28648, 278, 'WIP Property', 2000, 68000, 7500,
'04-07-2020', 90, '07-07-2020', 5.2,'Lender', 800, 920);
INSERT INTO Loan VALUES (76385, 748,'WIP Property', 17000, 98000, 14000,
'10-15-2021', 90, '01-15-2021', 3.7,'Lender', 1400, 1670);
INSERT INTO Loan VALUES (872754, 29, 'WIP Property', 2400, 75000, 6000,
'07-04-2021', 90, '10-04-2021', 4.5, 'Lender', 1100, 1275);
INSERT INTO Loan VALUES (6526, 7829, 'WIP Property', 5000, 120500, 13000,
'04-19-2021', 90, '07-19-2021', 5.2, 'Lender',1700, 1975 );
INSERT INTO Loan VALUES (86723, 9282, 'WIP Property', 4300, 93000, 10500,
'03-30-2020', 90, '06-30-2020', 3.9, 'Lender', 1250, 1475);
INSERT INTO Loan VALUES (5665175, 5175, 'WIP Property', 2200, 62000, 7000,
'01-02-2022', 90, '04-02-2022', 5.4, 'Lender', 750, 920);
INSERT INTO Loan VALUES (927487, 7188, 'WIP Property', 3400, 75500, 9000,
'06-13-2021', 90, '09-13-2021', 4.8, 'Lender', 900, 1125);
INSERT INTO Loan VALUES (25472, 65271, 'WIP Property', 7300, 87000, 9500,
'08-29-2020', 90, '11-29-2020', 6.0, 'Lender', 980, 1300);


INSERT INTO SUBCONTRACTOR VALUES (5829301, 101, 'Smithson','123 Ironworks
Rd.','(210)345-6789',12.35,10.25,765.89,12,3);
INSERT INTO SUBCONTRACTOR VALUES (7398642, 102, 'Johnsons','456 Gear
Ave.','(321)456-7890',9.78,13.80,1542.75,28,10);
INSERT INTO SUBCONTRACTOR VALUES (1245678, 103, 'Williamse','789 Steel
St.','(432)567-8901',24.50, 22.45, 2, 890.45, 55);
INSERT INTO SUBCONTRACTOR VALUES (9083245, 104, 'Brownlee','101 Machine
Ln.','(543)678-9012',14.67,  16.90,  2037.60,   42, 8);
INSERT INTO SUBCONTRACTOR VALUES (6357890, 105, 'Joneson','246 Forge
Rd.','(654)789-0123',32.10,  11.75,  3567.88,   19, 12);
INSERT INTO SUBCONTRACTOR VALUES (2718453, 106, 'Millers','369 Factory
Blvd.','(765)890-1234',19.99,  35.20,  419.99, 36, 1);
INSERT INTO SUBCONTRACTOR VALUES (3967289, 107, 'Davison','482 Assembly
Dr.','(876)901-2345',45.30,   27.50,  1278.50,    8,  14);
```

```sql
INSERT INTO SUBCONTRACTOR VALUES (5043126, 108, 'Garciaz','575 Industrial
Pkwy','(987)012-3456',20.45,    18.60,  3421.25,    33, 7);
INSERT INTO SUBCONTRACTOR VALUES (8176432, 109, 'Rodriguez','680 Welding
St.','(098)123-4567',15.75,  14.25,  1836.70,    17, 11);
INSERT INTO SUBCONTRACTOR VALUES (9532687, 101, 'Wilsons','793 Foundry
Rd','(109)234-5678',28.60, 30.15,  2999.95,    47, 2);


INSERT INTO Subcontractor_Skill VALUES(120, 5829301, 101);
INSERT INTO Subcontractor_Skill VALUES(125, 7398642, 102);
INSERT INTO Subcontractor_Skill VALUES(130, 1245678, 105);
INSERT INTO Subcontractor_Skill VALUES(135, 9083245, 102);
INSERT INTO Subcontractor_Skill VALUES(140, 6357890, 107);
INSERT INTO Subcontractor_Skill VALUES(145, 7398642, 109);
INSERT INTO Subcontractor_Skill VALUES(150, 6357890, 110);
INSERT INTO Subcontractor_Skill VALUES(155, 9083245, 108);
INSERT INTO Subcontractor_Skill VALUES(160, 3967289, 109);
INSERT INTO Subcontractor_Skill VALUES(165, 9532687, 103);


INSERT INTO Subcontractor_Tool VALUES(110, 5829301, 124);
INSERT INTO Subcontractor_Tool VALUES(120, 7398642, 125);
INSERT INTO Subcontractor_Tool VALUES(130, 1245678, 121);
INSERT INTO Subcontractor_Tool VALUES(140, 9083245, 128);
INSERT INTO Subcontractor_Tool VALUES(150, 6357890, 126);
INSERT INTO Subcontractor_Tool VALUES(160, 2718453, 123);
INSERT INTO Subcontractor_Tool VALUES(170, 3967289, 122);
INSERT INTO Subcontractor_Tool VALUES(180, 5043126, 127);
INSERT INTO Subcontractor_Tool VALUES(190, 8176432, 129);
INSERT INTO Subcontractor_Tool VALUES(200, 9532687, 120);


INSERT INTO ITEM VALUES (48273,'Office Chairs','Ergonomic
seating',89.00,'Comfortable seating');
INSERT INTO ITEM VALUES (90561,'Laptop Computers','Portable
workstations',720.00,'Mobile computing');
INSERT INTO ITEM VALUES (34789,'Printer Supplies','Ink
cartridges',45.00,'Printing documents');
INSERT INTO ITEM VALUES (62154,'Whiteboards','Wall-mounted
boards',65.00,'Visual presentations');
INSERT INTO ITEM VALUES (18326,'Desktop Monitors','High-resolution
screens',250.00,'Display output');
```

```sql
INSERT INTO ITEM VALUES (57092,'Office Desks','Wooden
workstations',320.00,'Workspace setup');
INSERT INTO ITEM VALUES (86430,'Projector Systems','Multimedia
projectors',550.00,'Presentations');
INSERT INTO ITEM VALUES (29573,'Coffee Machines','Espresso
makers',150.00,'Office refreshments');
INSERT INTO ITEM VALUES (73841,'Shredders','Paper shredders',75.00,'Document
disposal');
INSERT INTO ITEM VALUES (41657,'Surge Protectors','Power
strips',30.00,'Electrical safety');


INSERT INTO SUPPLIER VALUES (582401, 101, 'Starlight
Enterprises','(456)789-0123','123 Sunshine Blvd.',345.78,'Lighting
supplier',48273 );
INSERT INTO SUPPLIER VALUES (739856, 102, 'Horizon Import
Co.','(123)456-7890','456 Meadow Lane',512.43,'Import/export', 90561);
INSERT INTO SUPPLIER VALUES (124567, 103, 'Summit Supplies
Ltd.','(789)012-3456','789 River Road',789.99,'Office wholesaler', 34789);
INSERT INTO SUPPLIER VALUES (908324, 104, 'Evergreen Trading
Group','(234)567-8901','101 Hillside Avenue',631.20,'Eco-products', 62154);
INSERT INTO SUPPLIER VALUES (635789, 105, 'Sapphire Distribution
Inc.','(901)234-5678','246 Lakeview Terrace',876.50,'Gemstone supplier',
18326);
INSERT INTO SUPPLIER VALUES (271845, 106, 'Apex Merchandising
Solutions','(567)890-1234','369 Park Place',423.75,'Display fixtures', 57092);
INSERT INTO SUPPLIER VALUES (396728, 107, 'BlueSky
Wholesale','(890)123-4567','482 Oceanview Drive',598.36,'Outdoor supplier',
86430);
INSERT INTO SUPPLIER VALUES (504312, 108, 'Golden Harvest
Imports','(345)678-9012','575 Mountain Street',720.89,'Agriculture', 29573);
INSERT INTO SUPPLIER VALUES (817643, 109, 'SilverStream
Logistics','(678)901-2345','680 Sunset Court',936.25,'Transport', 73841);
INSERT INTO SUPPLIER VALUES (95326, 102, 'Crystal Clear
Ventures','(012)345-6789','793 Brookside Lane',867.32,'Glassware', 41657);


INSERT INTO PURCHASE_ORDER VALUES (874321,08/17/2015,35.75,582401);
INSERT INTO PURCHASE_ORDER VALUES (503289,11/29/2013,98.43,739856);
INSERT INTO PURCHASE_ORDER VALUES (726584,04/05/2018,22.60,124567);
INSERT INTO PURCHASE_ORDER VALUES (145672,06/22/2016,57.21,908324);
INSERT INTO PURCHASE_ORDER VALUES (908743,09/11/2017,123.99,635789);
```

```sql
INSERT INTO PURCHASE_ORDER VALUES (632189,03/08/2014,84.50,271845);
INSERT INTO PURCHASE_ORDER VALUES (367925,10/14/2019,16.78,396728);
INSERT INTO PURCHASE_ORDER VALUES (541786,12/03/2011,199.95,504312);
INSERT INTO PURCHASE_ORDER VALUES (289473,05/20/2010,45.30,817643);
INSERT INTO PURCHASE_ORDER VALUES (765432,07/09/2012,72.88,95326);


INSERT INTO PURCHASE_ORDERLINE VALUES (7193,75,48273,874321);
INSERT INTO PURCHASE_ORDERLINE VALUES (4286,189,90561,503289 );
INSERT INTO PURCHASE_ORDERLINE VALUES (5639,42,34789,726584);
INSERT INTO PURCHASE_ORDERLINE VALUES (3872,567,62154,145672);
INSERT INTO PURCHASE_ORDERLINE VALUES (9154,91,18326,908743);
INSERT INTO PURCHASE_ORDERLINE VALUES (6427,328,57092,632189);
INSERT INTO PURCHASE_ORDERLINE VALUES (1738,54,86430,367925);
INSERT INTO PURCHASE_ORDERLINE VALUES (8964,217,29573,541786);
INSERT INTO PURCHASE_ORDERLINE VALUES (3451,69,73841,289473);
INSERT INTO PURCHASE_ORDERLINE VALUES (6289,830,41657,765432);


INSERT INTO Escrow_Account VALUES (27194, 'Johnny Appleseed', 131000);
INSERT INTO Escrow_Account VALUES (264, 'Joshua Gonzales', 97500);
INSERT INTO Escrow_Account VALUES (87275, 'Hannah Longler', 67500);
INSERT INTO Escrow_Account VALUES (72643, 'Abigail Systler', 134000);
INSERT INTO Escrow_Account VALUES (25497, 'William Bestom', 98000);
INSERT INTO Escrow_Account VALUES (72549, 'Maia Driang', 29000);
INSERT INTO Escrow_Account VALUES (32957, 'Amanda Crutch', 147500);
INSERT INTO Escrow_Account VALUES (28647, 'Noah Hanson', 50320);
INSERT INTO Escrow_Account VALUES (93764, 'Scarlet Gomaes', 101240);
INSERT INTO Escrow_Account VALUES (8613, 'Jessica Seymore', 64260);


INSERT INTO Draw VALUES (16396, 5628, '04-14-2017', 'Subcontractor Payment', 150);
INSERT INTO Draw VALUES (28647, 264, '01-29-2020', 'Repair', 50);
INSERT INTO Draw VALUES (25313, 93764, '09-14-2022', 'Repair', 50);
INSERT INTO Draw VALUES (9264, 87275, '10-11-2021', 'Subcontractor Payment', 100);
INSERT INTO Draw VALUES (826314, 32957, '03-29-2021', 'Subcontractor Payment', 200);
INSERT INTO Draw VALUES (17346, 8613, '11-28-2020', 'Repair', 50);
INSERT INTO Draw VALUES (97218, 72549, '02-20-2022', 'Subcontracor Payment', 50);
```

```sql
INSERT INTO Draw VALUES (972842, 5628, '04-14-2017', 'Repair', 100);
INSERT INTO Draw VALUES (276548, 25497, '12-21-2023', 'Repair', 100);
INSERT INTO Draw VALUES (61437, 264, '01-29-2020', 'Subcontractor Payment',
100);


INSERT INTO Tenant VALUES (728, 'Paul Revere');
INSERT INTO Tenant VALUES (38752, 'Andrew Gollini');
INSERT INTO Tenant VALUES (49672, 'Colin James');
INSERT INTO Tenant VALUES (2104983, 'John Gomez');
INSERT INTO Tenant VALUES (2942, 'Matthew Williams');
INSERT INTO Tenant VALUES (4682, 'Scarlet Hansen');
INSERT INTO Tenant VALUES (2975, 'Chelsea Smith');
INSERT INTO Tenant VALUES (72842, 'Terry Cline');
INSERT INTO Tenant VALUES (829, 'Morgan Tyler');
INSERT INTO Tenant VALUES (1409, 'Jackie Fredward');


INSERT INTO Lease VALUES (927, 728, '01-22-2019', '09-22-2024', 50, 750, 50,
'01-13-2020',2);
INSERT INTO Lease VALUES (27492, 38752, '11-13-2013', '05-13-2024', 100, 970,
50, '12-17-2013',3);
INSERT INTO Lease VALUES (512836, 49672, '03-13-2021', '05-17-2024', 100, 925,
75, '08-14-2021',6);
INSERT INTO Lease VALUES (1341, 2104983, '06-19-2021', '02-19-2024', 50, 800,
75, '01-03-2022',5);
INSERT INTO Lease VALUES (2648, 2942, '09-25-2018', '08-25-2024', 75, 850, 60,
'08-19-2019',8);
INSERT INTO Lease VALUES (17451, 4682, '05-11-2021', '04-11-2024', 50, 750, 25,
'04-13-2022',2);
INSERT INTO Lease VALUES (2734, 2975, '02-26-2020', '07-26-2024', 100, 950, 60,
'06-22-2022',8);
INSERT INTO Lease VALUES (83715, 72842, '04-09-2021', '06-09-2024', 50, 800,
50, '02-19-2022',9);
INSERT INTO Lease VALUES (59722, 829, '07-16-2022', '07-16-2024', 75, 850, 75,
'03-28-2023',1);
INSERT INTO Lease VALUES (287421, 1409, '12-16-2019', '04-16-2024', 75, 850,
65, '07-01-2021',10);


INSERT INTO Repair VALUES (1937, 75000, 81250, 12000, 'Driveway',2);
INSERT INTO Repair VALUES (10472, 80000, 65000, 10000, 'Roofing',3);
```

```sql
INSERT INTO Repair VALUES (926, 68250, 60000, 4000, 'Roofing',6);
INSERT INTO Repair VALUES (69274, 82000, 75000, 7000, 'Flooring',5);
INSERT INTO Repair VALUES (846729, 65000, 60000, 2500, 'Electrical',8);
INSERT INTO Repair VALUES (62847, 70000, 65000, 5000, 'Driveway',2);
INSERT INTO Repair VALUES (5173, 60000, 70000, 8500, 'WaterPipes',9);
INSERT INTO Repair VALUES (13902, 50000, 67500, 10000, 'Roofing',1);
INSERT INTO Repair VALUES (92648, 62000, 70000, 8000, 'Waterpipes',10);
INSERT INTO Repair VALUES (913852, 73000, 65000, 8400, 'Electrical',7);


INSERT INTO Maintenance VALUES (11292, '12-03-2019', 4500, 2000, 'Installing
Flooring', 'Yes',2);
INSERT INTO Maintenance VALUES (76249, '12-16-2020', 2000, 500, 'Installing
Lights', 'No',3 );
INSERT INTO Maintenance VALUES (2764, '04-02-2020', 3000, 1450, 'Water Pipes
Burst', 'No',6);
INSERT INTO Maintenance VALUES (876513, '06-30-2022', 1700, 300, ' Installing
Flooring', 'Yes',5);
INSERT INTO Maintenance VALUES (82648, '01-26-2023', 2300, 300, 'Furniture
Delivery', 'Yes',8);
INSERT INTO Maintenance VALUES (7513, '11-12-2021', 750, 100, 'Wiring
Electrical', 'No',9);
INSERT INTO Maintenance VALUES (8714, '07-14-2020', 400, 50, 'Broken Toilet',
'No',1);
INSERT INTO Maintenance VALUES (9724, '02-19-2020', 3000, 1500, 'Installing
Flooring', 'No',10);
INSERT INTO Maintenance VALUES (5239985, '07-19-2023', 1200, 200, 'Dryer
Repair', 'Yes',7);
INSERT INTO Maintenance VALUES (297476, '01-13-2019', 3500, 750, 'Gas Leak',
'No',4);


insert into WIP_Property VALUES (1, 1, 5000.00, 8000.00, 120000.00,
'2023-01-15', 481329);
insert into WIP_Property VALUES (2, 2,  7000.00, 10000.00, 150000.00,
'2023-02-20', 274872);
insert into WIP_Property VALUES (3, 3,  6000.00, 9000.00, 130000.00,
'2023-03-10', 28648);
insert into WIP_Property VALUES (4, 4, 8000.00, 12000.00, 180000.00,
'2023-04-25', 927487);
insert into WIP_Property VALUES (5, 5, 5500.00, 8500.00, 125000.00,
'2023-05-30', 5665175);
```

```sql
insert into WIP_Property VALUES (6, 6, 7500.00, 11000.00, 160000.00,
'2023-06-15', 6526);
insert into WIP_Property VALUES (7, 7, 6500.00, 9500.00, 140000.00,
'2023-07-12', 86723);
insert into WIP_Property VALUES (8, 8, 8500.00, 12500.00, 190000.00,
'2023-08-20', 481329);
insert into WIP_Property VALUES (9, 9, 5800.00, 8800.00, 128000.00,
'2023-09-05', 76385);
insert into WIP_Property VALUES (10, 10, 7700.00, 11500.00, 165000.00,
'2023-10-10', 872754);


insert into Rental_Property VALUES (1, 'Yes', 500.00, 1);
insert into Rental_Property VALUES  (2, 'No', 0.00, 2);
insert into Rental_Property VALUES (3, 'Yes', 750.00, 3);
insert into Rental_Property VALUES (4, 'No', 0.00, 4);
insert into Rental_Property VALUES (5, 'Yes', 600.00, 5);
insert into Rental_Property VALUES (6, 'No', 0.00, 6);
insert into Rental_Property VALUES (7, 'Yes', 700.00, 7);
insert into Rental_Property VALUES (8, 'No', 0.00, 8);
insert into Rental_Property VALUES (9, 'Yes', 800.00, 9);
insert into Rental_Property VALUES (10, 'No', 0.00, 10);


insert into Sold_Property VALUES (1, 20000.00, 150000.00, 130000.00, 'John
Doe', 5000.00);
insert into Sold_Property VALUES (2, 25000.00, 180000.00, 145000.00, 'Jane
Smith', 6000.00);
insert into Sold_Property VALUES (3, 30000.00, 200000.00, 160000.00, 'Michael
Johnson', 7000.00);
insert into Sold_Property VALUES (4, 18000.00, 160000.00, 130000.00, 'Emily
Williams', 5500.00);
insert into Sold_Property VALUES (5, 22000.00, 175000.00, 145000.00,
'Christopher Brown', 6000.00);
insert into Sold_Property VALUES (6, 28000.00, 190000.00, 150000.00, 'Amanda
Jones', 6500.00);
insert into Sold_Property VALUES (7, 21000.00, 165000.00, 135000.00, 'Daniel
Garcia', 5700.00);
insert into Sold_Property VALUES (8, 26000.00, 185000.00, 145000.00, 'Jessica
Martinez', 6200.00);
insert into Sold_Property VALUES (9, 19000.00, 155000.00, 130000.00, 'Matthew
Rodriguez', 5600.00);
```

```
insert into Sold_Property VALUES (10, 24000.00, 170000.00, 140000.00, 'Sarah
Lopez', 5900.00);
```

Query Explanation

Query #3: The purpose of this query was to create an item history report for the repairs and maintenance associated with each property. It includes about permits purchased, the cost of materials, and property information.

The intended recipients of this query would be users interested in the repair and maintenance items for each property such as accountants looking to account for costs or landlords looking for the costs associated with the properties.

The output is ordered by the Property primary key Property_ID in ascending order.

Query #4: This query was created to show the count of late fees and the total amount of late fees incurred by each tenant for each property. This query shows the total amount of late fees incurred by each tenant as well as the total dollar amount of the late fees by each tenant.

The intended recipients of this query are landlords who want to be able to identify risky tenants. Knowing which tenants are more likely to pay their rent late is useful for 3F properties when choosing who they should rent to.

This query was grouped by tenant_id, tenant_name, property_id, and property_type. It was also ordered by tenant_id in ascending order.

Query #5: The purpose of this query is to show comprehensive information about current rental properties and their leases. It shows the property as well as lease and tenant information. This query also gives a direct output of how many days until the lease of each property expires.

The expected recipients of this query output would be individuals who are responsible for managing the rental properties at 3F.

Query #6: The purpose of this query would be to show how much maintenance costs at each property. This could help make decisions about how much extra maintenance 3F can afford to do.

The expected recipients of this query would be an employee who oversees the budget for maintenance activities.

The query is grouped by Property Type, Property ID, Cost of Labor, Cost of Materials, Actual Repair Costs ,Tasks Completed.

Query #9: The purpose of this query is to generate a report detailing each purchase order made by a company. It includes information about the items purchased, their quantities, cost per item, order dates, total cost for each order line, total purchase prices, and supplier information.

The intended recipients for this query would be individuals involved in procurement, inventory management, accounting, or financial analysis within the company. This report would provide valuable insights for decision-making, budgeting, and maintaining supplier relationships.

No grouping or sorting was used for this query.

Query #8: The purpose of this query is to generate a table relating to all sold properties relating to the database. This allows for 3F as well as customers to be able to see past sold properties and compare with newer and older models. This information includes the sold property ID, total rehabilitation amount, the selling price, net profit, the selling agent, and closing costs.

The intended recipients for this query would be anyone interested in the sold properties as well as any customers who want to look back on their information or others. This can allow for 3F to keep track of the data and show it in an efficient manner. This would provide valuable information about growth in the company and how certain real estate agents are doing.

There was no grouping or sorting used.

Query #10: The purpose of this query is to create a table showing all potential property information. This information includes the potential property id, number of bedrooms, bathroom, square footage, the current price, and some information regarding the owner. This is all very important information as it allows for all potential properties to be put together and formatted effectively.

The intended receipts for this query is anyone interested in a property. This could be 3F, a business contact looking to purchase a new property, customers, or anything else. This allows for anyone to be able to view the potential properties that are being viewed and have key information with them.

There was no grouping or sorting used.

Queries

```sql
-- #9
Relevant information about each purchase order, including information about the
item(s) purchased, the quantity purchased, the cost of each item, the date the
order was placed, the total for each order line and the total purchase price.
The report should also provide information about the supplier of the item(s).
create view Purchase_Order_View as

create view Purchase_Order_View as
select po.PO_Number, po.PO_Date, po.PO_Total, i.Item_ID, i.Item_Name, i.Cost,
pol.PO_Quantity, (i.Cost * pol.PO_Quantity) as Line_total,SUM(i.Cost *
pol.PO_Quantity) over (partition by po.PO_Number) as Total_purchase_price,
s.Supplier_ID
from Purchase_Order po
join Purchase_Orderline pol on po.PO_Number = pol.PO_Number
join Item i on pol.Item_ID = i.Item_ID
join Supplier s on i.Item_ID = s.Item_ID;


select * from Purchase_Order_View



-- #5
-A List of all current leases related to each rental property. Include relevant
information about the property and the lease. Also provide the number of days
until the tenant's most recent lease ends.

SELECT  le.Lease_ID, tt.Tenant_ID, LE.Lease_End_Date ,DATEDIFF(DAY,
CURRENT_TIMESTAMP, Lease_End_Date) AS daysuntilendoflease, le.property_id
from Tenant TT inner JOIN Lease LE
ON Tt.Tenant_ID = Le.Tenant_ID
inner join property pr
on pr.property_id = le.property_id
order by le.property_id asc



-- # 6
-Provide a repair and maintenance history report including the total labor
cost, the total materials cost and the total repair cost (sum of total labor
cost and total materials cost. Include relevant information about the
repair/maintenance including information about the property.
create view Property_View as
```

```sql
SELECT Property.Property_ID,Property.Property_Type, Cost_of_Labor as
maintenancelaborcost, Cost_of_Materials as
maintenancematerialscost,(Cost_of_Labor+Cost_of_Materials) as
totalmaintenancecost, Tasks_Completed
FROM Maintenance JOIN Property on Maintenance.Property_ID =
Property.Property_ID
JOIN Repair on Property.property_ID = Repair.property_ID
GROUP BY Property.Property_Type,Property.Property_ID, Cost_of_Labor,
Cost_of_Materials, Actual_Repair_Costs ,Tasks_Completed;


select * from Property_View


--#8 Provide a sold property profile displaying all relevant property
information including the net profit and the total improvement cost
CREATE VIEW Sold_Property_View AS
SELECT SoldProperty_ID, Total_Rehabilitation_Amount, Selling_Price, Net_Profit,
Selling_Agent, Closing_Cost
from Sold_Property
join Property on Property.Property_ID = Sold_Property.SoldProperty_ID
join WIP_Property on WIP_Property.WIPProperty_ID = Property.Property_ID
;

select *
from Sold_Property_View
]
```

--#10 Provide a potential property profile displaying all relevant property
information including information
--about the owner of the property and the business contact for the property

```sql
Create View Potential_Property_Profile AS
select pp.PotentialProperty_ID, pp.#_of_Bedrooms, pp.#_of_Bathrooms,
pp.SquareFootage, pp.Current_Price,
    o.OwnerID, o.Owner_FirstName, o.Owner_PhoneNumber,
    bc.Business_Contact_ID, bc.Company_Name, bc.Business_Number
from  Potential_Property pp inner join Property pr
on Pr.Property_ID = Pp.Property_id
inner join [Owner] o
on o.OwnerID = Pr.Property_ID
inner Join Business_Contact BC
on BC.potentialproperty_id = pp.PotentialProperty_ID
;
```

```sql
SELECT *
from Potential_Property_Profile;



-- #3
CREATE VIEW ItemHistoryReportView AS
select re.repair_id, re.permit_required, re.permit_costs,
    ma.maintenance_id, ma.tasks_completed, ma.cost_of_materials,
    pr.Property_ID, pr.property_type
from repair re inner join property pr
ON re.property_id=pr.Property_ID
inner join maintenance ma
on ma.property_id=pr.property_id
order by pr.property_id asc



-- #4
CREATE VIEW LateFeesByTenantView AS
select te.tenant_id, te.tenant_name, count(distinct le.Late_Fee) as
NumberLateFees, sum(distinct le.Late_Fee) as TotalLateFeeAmount,
pr.property_id, pr.property_type
from tenant te inner join lease le
on te.tenant_id=le.Tenant_ID
inner join property pr
on pr.property_id=le.property_id
group by te.tenant_id, te.tenant_name, pr.property_id, pr.property_type
having
    (select count(distinct late_fee) as NumberLateFees
    from lease)>0
order by tenant_id asc



select * from Lease
```

Query Output

Query #3

	repair_id	permit_required	permit_costs	maintenance_id	tasks_completed	cost_of_materials	Property_ID	property_type
1	13902	Roofing	10000.00	8714	Broken Toilet	50.00	1	WIP
2	62847	Driveway	5000.00	11292	Installing Flooring	2000.00	2	Rental
3	1937	Driveway	12000.00	11292	Installing Flooring	2000.00	2	Rental
4	10472	Roofing	10000.00	76249	Installing Lights	500.00	3	Sold
5	69274	Flooring	7000.00	876513	Installing Floori…	300.00	5	Rental
6	926	Roofing	4000.00	2764	Water Pipes Burst	1450.00	6	Sold
7	913852	Electrical	8400.00	5239985	Dryer Repair	200.00	7	WIP
8	846729	Electrical	2500.00	82648	Furniture Delivery	300.00	8	Potential
9	5173	WaterPipes	8500.00	7513	Wiring Electrical	100.00	9	Rental
10	92648	Waterpipes	8000.00	9724	Installing Flooring	1500.00	10	Sold

Query #4

	tenant_id	tenant_name	NumberLateFees	TotalLateFeeAmount	property_id	property_type
1	728	Paul Revere	1	50.00	2	Rental
2	829	Morgan Tyler	1	75.00	1	WIP
3	1409	Jackie Fredward	1	65.00	10	Sold
4	2942	Matthew Williams	1	60.00	8	Potential
5	2975	Chelsea Smith	1	60.00	8	Potential
6	4682	Scarlet Hansen	1	25.00	2	Rental
7	38752	Andrew Gollini	1	50.00	3	Sold
8	49672	Colin James	1	75.00	6	Sold
9	72842	Terry Cline	1	50.00	9	Rental
10	2104983	John Gomez	1	75.00	5	Rental

Query #5

	Lease_ID	Tenant_ID	Lease_End_Date	daysuntilendoflease	property_id
1	59722	829	2024-07-16	71	1
2	17451	4682	2024-04-11	-25	2
3	927	728	2024-09-22	139	2
4	27492	38752	2024-05-13	7	3
5	1341	2104983	2024-02-19	-77	5
6	512836	49672	2024-05-17	11	6
7	2648	2942	2024-08-25	111	8
8	2734	2975	2024-07-26	81	8
9	83715	72842	2024-06-09	34	9
10	287421	1409	2024-04-16	-20	10

Query #6

	Property_ID	Property_Type	maintenancelaborcost	maintenancematerialscost	totalmaintenancecost	Tasks_Completed
1	1	WIP	400.00	50.00	450.00	Broken Toilet
2	2	Rental	4500.00	2000.00	6500.00	Installing Flooring
3	2	Rental	4500.00	2000.00	6500.00	Installing Flooring
4	3	Sold	2000.00	500.00	2500.00	Installing Lights
5	5	Rental	1700.00	300.00	2000.00	Installing Flooring
6	6	Sold	3000.00	1450.00	4450.00	Water Pipes Burst
7	7	WIP	1200.00	200.00	1400.00	Dryer Repair
8	8	Potential	2300.00	300.00	2600.00	Furniture Delivery
9	9	Rental	750.00	100.00	850.00	Wiring Electrical
10	10	Sold	3000.00	1500.00	4500.00	Installing Flooring

Query #8:

	SoldProperty_ID	Total_Rehabilitation_Amount	Selling_Price	Net_Profit	Selling_Agent	Closing_Cost
1	1	8000.00	150000.00	130000.00	John Doe	5000.00
2	2	10000.00	180000.00	145000.00	Jane Smith	6000.00
3	3	9000.00	200000.00	160000.00	Michael Johnson	7000.00
4	4	12000.00	160000.00	130000.00	Emily Williams	5500.00
5	5	8500.00	175000.00	145000.00	Christopher Brown	6000.00
6	6	11000.00	190000.00	150000.00	Amanda Jones	6500.00
7	7	9500.00	165000.00	135000.00	Daniel Garcia	5700.00
8	8	12500.00	185000.00	145000.00	Jessica Martinez	6200.00
9	9	8800.00	155000.00	130000.00	Matthew Rodriguez	5600.00
10	10	11500.00	170000.00	140000.00	Sarah Lopez	5900.00

Query #9:

	PO_Number	PO_Date	PO_Total	Item_ID	Item_Name	Cost	PO_Quantity	Line_total	Total_purchase_price	Supplier_ID
1	145672	1900-01-01 00:00:00.000	57.21	62154	Whiteboards	65.00	567	36855.00	36855.00	908324
2	289473	1900-01-01 00:00:00.000	45.30	73841	Shredders	75.00	69	5175.00	5175.00	817643
3	367925	1900-01-01 00:00:00.000	16.78	86430	Projector Systems	550.00	54	29700.00	29700.00	396728
4	503289	1900-01-01 00:00:00.000	98.43	90561	Laptop Computers	720.00	189	136080.00	136080.00	739856
5	541786	1900-01-01 00:00:00.000	199.95	29573	Coffee Machines	150.00	217	32550.00	32550.00	504312
6	632189	1900-01-01 00:00:00.000	84.50	57092	Office Desks	320.00	328	104960.00	104960.00	271845
7	726584	1900-01-01 00:00:00.000	22.60	34789	Printer Supplies	45.00	42	1890.00	1890.00	124567
8	765432	1900-01-01 00:00:00.000	72.88	41657	Surge Protectors	30.00	830	24900.00	24900.00	95326
9	874321	1900-01-01 00:00:00.000	35.75	48273	Office Chairs	89.00	75	6675.00	6675.00	582401
10	908743	1900-01-01 00:00:00.000	123.99	18326	Desktop Monitors	250.00	91	22750.00	22750.00	635789

Query #10:

	Potential...	#_of_Bedr...	#_of_Ba...	SquareFoo...	Curren...	Owne...	Owner_Fi...	Owner_Pho...	Business_Co...	Company_Na...	Business_...
1	1	3	2	2000	150000.00	1	John	(555)123-4567	110	BlueSky Ventu...	889-752-9957
2	2	4	3	2500	200000.00	2	Jane	(555)987-6543	120	StellarCraft ...	665-581-3320
3	3	2	1	1500	120000.00	3	Michael	(555)456-7890	130	Sunburst Sola...	887-632-4788
4	4	5	4	3000	250000.00	4	Emily	(555)234-5678	140	Heritage Home...	865-554-9833
5	5	3	2	1800	180000.00	5	Christopher	(555)789-0123	150	AquaFlow Plum...	451-847-6201
6	6	4	3	2200	170000.00	6	Amanda	(555)345-6789	160	BrightWave Pa...	325-841-7813
7	7	2	1	1400	130000.00	7	Daniel	(555)890-1234	170	Sparkle Homes	348-913-6140
8	8	3	2	1900	160000.00	8	Jessica	(555)678-9012	180	PrimeSouce Ma...	983-654-2210
9	9	4	3	2400	220000.00	9	Matthew	(555)456-7890	190	Evergreen Lan...	687-345-6680
10	8	3	2	1900	160000.00	8	Jessica	(555)678-9012	200	SilverOak Con...	514-325-9410

Appendix

Conceptual Model

Logical Data Model

Owner (**OwnerID**, Owner_FirstName, Owner_LastName, Owner_Street, Owner_City, Owner_State, Owner_Zip, Owner_PhoneNumber)

Property(**Property_ID**, Street, City, Property_State, Zip, RealEstate_FolioNumber, **Property_Type**, Purchase_Date, Purchase_Price, *OwnerID*)

Potential_Property(*PotentialProperty_ID*, #_of_Bedrooms, #_of_Bathrooms, SquareFootage, Acreage, Exit_Strategy, Violations, Current_Price, *Property_ID*)

W.I.P_Property(*WIPProperty_ID*, *Property_ID*, Allocated_Rehabilitation_Amount, Total_Rehabilitation_Amount, Value_After_Repair, Improvement_Date, *Loan_ID*)

Rental_Property(*RentalProperty_ID*, Section_8, Government_Amount, *Property_ID*)

Sold_Property(*SoldProperty_ID,* Total_Rehabilitation_Cost, Selling_Price, Net_Profit, Selling_Agent, Closing Costs)

Lease(**Lease_ID,** *Tenant_ID,* Lease_Start_Date, Lease_End_Date, Deposit_Amount, Monthly_Rate, Late_Fee, Day_Of_Late_Fee, *Property_ID*)

Tenant(**Tenant_ID,** Tenant_Name)

Repair(**Repair_ID,** Allocated_Budgeted, Actual_Repair_Costs, Permit_Costs, Permit_Required, *Property_ID*)

Maintenance(**Maintenance_ID,** Maintenance_Date, Cost_of_Labor, Cost_of_Materials, Tasks_Completed, Warranty, *Property_ID*)

Escrow_Account (**Account_ID**, Account_Number, Initial_Account_Balance)

Draw (**Draw_ID**, **Associated_Escrow_Account**, Date_Created, Draw_Account, Use_of_Account, Fee_Incurred)

Loan (**Loan_ID**, *Lender_ID*, Type_of_Loan, Closing_Costs, Purchase_Price, Repair_Costs, Date_of_Loan, Length_of_Loan, Repayment_Date, Interest_Rate, Origination_Points, Monthly_Mortgage, Total_Monthly_Mortgage)

Lender (**_Lender_ID_**, Lender_Name, Lender_Address, Lender_Phone_Number, Contact_Name, **_Partner_ID_**)

Item (**Item_ID**, Item_Name, Description, Cost, Item_Use)

Purchase_Orderline (**Purchase_Orderline_ID**, PO_Quantity, **_Item_ID, PO_Number_**)

Purchase_Order (**PO_Number**, PO_Date, PO_Total, **_Supplier_ID_**)

Supplier (**_Supplier_ID_**, **_Partner_ID_**, Supplier_Name, Supplier_Number, Supplier_Address, Company_Discount, Supplier_Type)

Subcontractor (**_Subcontractor_ID_**, **_Partner_ID_**, Subcontractor_Name, Subcontractor_Address, Subcontractor_Number, Hourly_Rate, Historical_Wages, Historical_Bonuses, Hours_Worked, Days_Worked)

Subcontractor_Skill (**Subcontractor_Skill_ID,** **_Subcontractor_ID, Skill_ID_**)

Skill (**Skill_ID**, Skill_Name)

Subcontractor_Tool (**Subcontractor_Tool_ID,** **_Subcontractor_ID, Tool_ID_**)

Tool (**Tool_ID**, Tool_Name)

Business_Partner (**Partner_ID**, Name, Material_Used, **Partner_Type**)

Business_Contact (**_Business_Contact_ID_**, Company_Name, Business_Address, Business_Number, Geographic_Specialization, Commission_Structure, **_Partner_ID, PotentialProperty_ID_**)

Data Dictionary

Table: **Owner**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
OwnerID	PK. Unique sequential number	Integer	10					Y
Owner_FirstName	The owner's first name	Varchar	15					N
Owner_LastName	The owner's last name	Varchar	15					N
Owner_Street	Street location of the owner	Varchar	15					N
Owner_City	City location of the owner	Varchar	15					N
Owner_State	State location of the owner	Varchar	12					N
Owner_Zip	Owner's zip code	Varchar	20		99999-9999			N
Owner_PhoneNumber	Owner's primary phone number	Varchar	20		(999)999-9999			N

Table: **Property**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Property_ID	PK. Unique sequential number	Integer	10					Y
Street	Street location of property	Varchar	20					N
City	City location of property	Varchar	20					N
State_	State location of property	Varchar	12					N
Zip	Property's zip code	Varchar	20		99999-9999			N
RealEaste_FolioNumber	Property's folio number	Integer	10					N
Property_Type	The type of property	Varchar	20					Y
Purchase_Date	Date property was purchased	Date		99/99/999		Default: Today's		N

						Date		
Purchase_Price	Price property was purchased for	Decimal	11					N
OwnerID	FK. Unique sequential number	Integer	10					Y

Table: **Potential Property**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
PotentialProperty_ID	PK. Unique sequential number	Integer	10					Y
#_of_Bedrooms	Number of bedrooms on the property	Integer	2					N
#_of_Bathrooms	Number of bathrooms on the property	Integer	3					N
SquareFootage	Square footage of property	Integer	5					N
Acreage	Acreage of property	Integer	2					N
Exit_Strategy	Property's exit strategy	Varchar	30					N
Violations	Violations property has	Varchar	20					N
Current_Price	Current listing price of property	Decimal	11					N
Property_ID	FK. Unique sequential number	Integer	10					Y

Table: **W.I.P Property**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
WIPProperty_ID	PK. Unique sequential number	Integer	10					Y
Allocated_Rehabilitation_ Amount	Amount of allowed money to be spent on repairing property	Decimal	11					N
Total_Rehabilitation_Amount	Total dollar amount for rehabilitation	Decimal	11					N
Value_After_Repair	Increase of value before and after	Decimal	11					N

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
	repairs							
Improvement_Date	Date the rehabilitation ended	Date		99/99/9999				N
Loan_ID	Unique sequential number associated with the repair loan of the property	Integer	10					Y
Property_ID	FK. Unique sequential number	Integer	10					Y

Table: **Rental Property**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
RentalProperty_ID	PK. Unique sequential number	Integer						Y
Section_8	Does this property fall under Section 8 housing (Y/N)	Varchar	3					N
Government_Amount	Dollar amount for government funds	Decimal	11					N
Property_ID	FK. Unique sequential number	Integer	10					Y

Table: **Sold Property**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
SoldProperty_ID	PK. Unique sequential number	Integer	10					Y
Total_Rehabilitation_Cost	Total cost for rehabilitation	Decimal	11					N
Selling_Price	Selling price of property	Decimal	11					N
Net_Profit	Total net profit	Decimal	11					N
Selling_Agent	Name of selling agent	Varchar	50					N
Closing_Costs	Amount for closing costs	Decimal	11					N
Property_ID	FK. Unique sequential number	Integer	10					Y

Table: **Lease**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Lease_ID	PK. Unique sequential number	Integer	10					Y
Lease_Start_Date	Date of which the lease is started	Date		99/99/9 999		Default: Today's Date		N
Lease_End-Date	Date of which the lease ends	Date		99/99/9 999				N
Deposit_Amount	How much is put down at the beginning of the lease	Decimal	8					N
Monthly_Rate	How much is due each month for commodities	Decimal	8					N
Late_Fee	Fee in which is charged if not paid on time	Decimal	8					N
Date_Of_Late_Fe e	Date which classifies when a payment is late	Date						N
Property_ID	FK. Unique sequential number	Integer	10					Y
Tenant_ID	FK. Unique sequential number	Integer	10					Y

Table: **Tenant**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Tenant_ID	PK. Unique sequential number	Auto Number	10					Y
Tenant_Name	Tenant's full name	Text	50					N

Table: **Repair**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Repair_ID	PK. Unique sequential number	Integer	10					Y
Allocated_Budget ed	The amount of money allocated for	Decimal	11					N

	repair						
Actual_Repair_Costs	The actual amount of money spent on repairs	Decimal	11				N
Permit_Costs	The cost of the permit required for the repair	Decimal	11				N
Permit_Required	The type of permit required for the repair	Varchar	20				N
Property_ID	FK. Unique sequential number	Integer	10				Y

Table: **Maintenance**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Maintenance_ID	PK. Unique sequential number	Integer	10					Y
Maintenance_Date	Date maintenance was performed	Date		99/99/9999		Default: Today's Date		N
Cost_Of_Labor	Labor cost of maintenance	Decimal	11					N
Cost_Of_Materials	Material cost of maintenance	Decimal	11					N
Tasks_Completed	The maintenance tasks that were completed	Varchar	50					N
Warranty	Was there warranty or not (Y/N)	Varchar	3					N
Property_ID	FK. Unique sequential number	Integer	10					Y

Table: **Escrow Account**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Account_ID	PK. Unique sequential number	Integer	10					Y

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Account_Name	The name of the account	Varchar	40					N
Initial_Account_ Balance	The beginning balance of the account	Decimal	11					N

Table: **Draw**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Draw_ID	PK. Unique sequential number	Integer	10					Y
Associated_Escr ow_Account	Escrow account ID associated with draw	Integer	10					Y
Date_Created	The date that the money was drawn from the account	Date		99/99/9 999		Default :Today' s Date		N
Use	What the money will be used for	Varchar	50					N
Fee_Inccured	The amount of the fee	Decimal	11					N

Table: **Loan**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Loan ID	PK. Unique sequential number	Integer	10					Y
Lender_ID	FK. Unique sequential number	Integer	10					Y
Type_of_Loan	Type of loan	Varchar	20					N
Closing_Costs	Total amount of closing costs	Decimal	11					N
Purchase_Price	Price the loan was purchased for	Decimal	11					N
Repair_Costs	Amount of loan used for repairs	Decimal	11					N
Date_of_Loan	Date that the loan was created	Date		99/99/9 999				N
Length_of_Loan	How long the loan is open	Integer	30					N

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Repayment_Date	Date that the repayment of the full loan is due	Date		99/99/9999				N
Interest_Rate	Percent of interest incurred on loan	Decimal	4					N
Origination_Points	Origination points of loan	Varchar	30					N
Monthly_Mortgage	Payment made toward mortgage monthly	Decimal	8					N
Total Monthly Mortgage	Total payment of mortgage including any fees or taxes	Decimal	8					N

Table: **Lender**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Lender_ID	PK. Unique sequential number	Integer	10					Y
Partner_ID	FK. Unique sequential number	Integer	10					Y
Lender_Name	First and last name of lender	Varchar	30					N
Lender_Address	Street address of lender	Varchar	30					N
Lender_Phone_Number	The lender's primary phone number	Varchar	10		(999)999-9999			N
Contact_Name	First and last name of lender contact	Varchar	30					N

Table: **Item**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Item_ID	PK. Unique sequential number	Integer	10					Y
Item_Name	Item name	Varchar	30					N
Item_Description	Description of Item	Varchar	30					N
Cost	Amount the item was purchased for	Decimal	11					N
Item_Use	What the purpose of	Varchar	30					N

	the item is							

Table: **Purchase Orderline**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Purchase_Order line_ID	PK. Unique sequential number	Integer	10					Y
PO_Quantity	Amount of items in the purchase order	Integer	3					N
Item_ID	FK. Unique sequential number	Integer	10					Y
PO_Number	FK. Unique sequential number	Integer	10					Y

Table: **Purchase Order**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
PO_Number	PK. Unique sequential number	Integer	10					Y
PO_Date	Date the purchase order was created	Date		99/99/9999		Default: Today's Date		N
PO_Total	Total amount the purchase order was	Decimal	11		9			N
Supplier_ID	FK. Unique sequential number	Integer	10					Y

Table: **Supplier**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Supplier_ID	PK. Unique sequential number	Integer	10					Y
Supplier_Name	Name of supplier	Varchar	50					N
Supplier_Number	The phone number of the supplier	Char	13		(999)999-9999			N
Supplier_Address	The street address of the supplier	Varchar	30					N
Company_Discount	Amount of company discount	Decimal	11					N

Supplier_Type	The type of supplier	Varchar	20					N
Partner_ID	FK. Unique sequential number	Integer	10					Y

Table: **Subcontractor**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Subcontractor_ID	PK. Unique sequential number	Integer	10					Y
Subcontractor_Name	The subcontractor's last name	Varchar	20					N
Subcontractor_Address	Street address of subcontractor	Varchar	40					N
Subcontractor_Number	Phone number of the Subcontractor	Char	13		(999)999-9999			N
Hourly_Rate	Hourly rate paid to subcontractor	Decimal	11					N
Historical_Wages	Past rates paid to subcontractor	Decimal	11					N
Historical_Bonuses	Past bonuses paid to subcontractor	Decimal	11					N
Hours_Worked	The amount of hours the subcontractor worked	Integer	10					N
Days_Worked	The amount of days the subcontractor worked	Integer	10					N
Partner_ID	FK. Unique sequential number	Integer	10					Y

Table: **Subcontractor Skill**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Subcontractor_Skill_ID	PK. Unique sequential number	Integer	10					Y
Subcontractor_ID	FK. Unique sequential number associated with a subcontractor	Integer	10					Y
Skill_ID	FK. Unique sequential number	Integer	10					Y

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
	associated with a skill							

Table: **Skill**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Skill_ID	PK. Unique sequential number	Integer	10					Y
Skill_Name	Name of the skill	Varchar	30					N

Table: **Subcontractor Tool**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Subcontractor_Tool_ID	PK. Unique sequential number	Integer	10					Y
Subcontractor_ID	FK. Unique sequential number associated with a subcontractor	Integer	10					Y
Tool_ID	FK. Unique sequential number associated with a tool.	Integer	10					Y

Table: **Tool**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Tool_ID	PK. Unique sequential number	Integer	10					Y
Tool_Name	Name of the tool	Varchar	30					N

Table: **Business Partner**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Partner_ID	PK. Unique sequential number	Integer	10					Y
Partner_Name	The name of the business partner	Varchar	40					N

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Material_Used	The materials used by the business partner	Varchar	40					N
Partner_Type	The type of business partner	Varchar	25					Y

Table: **Business Contact**

Field Name	Description	Data Type	Field Size	Format	Input Mask	Default Value	Validation	Required
Business_Contact_ID	PK. Unique sequential number	Integer	10					Y
Company_Name	Name of the company	Varchar	40					N
Business_Address	Address of the business	Varchar	50					N
Business_Number	Phone number of the business	Varchar	15		(999)999-9999			N
Geographic_Specialization	The company's geographic specialization	Varchar	30					N
Commission_Structure	How the commission is distributed	Varchar	50					N
Partner_ID	FK. Unique sequential number	Integer	10					Y
PotentialProperty_ID	PK. Unique sequential number	Integer	10					Y

SQL Commands

```sql
Drop table [Owner]
Drop table potential_property
drop table wip_property
Drop table rental_property
drop table sold_property
drop table item
drop table purchase_orderline
drop table purchase_order
drop table supplier
drop table subcontractor_skill
drop table subcontractor_tool
drop table business_partner
drop table business_contact
drop table lease
drop table tenant
drop table repair
drop table maintenance
drop table escrow_account
drop table draw
Drop table property
drop table loan
drop table lender
drop table Subcontractor
drop table tool
drop table skill




create table Owner (
    OwnerID int primary key,
    Owner_FirstName varchar(15),
    Owner_LastName varchar(15),
    Owner_Street varchar(15),
    Owner_City varchar(15),
    Owner_State varchar(12),
    Owner_Zip varchar(20),
    Owner_PhoneNumber varchar(15)
);


create table Property (
  Property_ID int primary key,
  Street varchar(20),
```

```sql
  City varchar(20),
  Property_State varchar(12),
  Zip varchar(20),
  RealEstate_FolioNumber int,
  Purchase_Date date,
  Purchase_Price decimal(11,2),
  Property_Type varchar(20) NOT NULL
  constraint Property_FK  foreign key (Property_ID) references [OWNER](OwnerID)
);


create table Potential_Property (
   PotentialProperty_ID int primary key,
   #_of_Bedrooms int,
   #_of_Bathrooms int,
   SquareFootage int,
   Acreage int,
   Exit_Strategy varchar(30),
   Violations varchar(20),
   Current_Price decimal(11,2)
   Business_Contact_ID int
   constraint Potential_PropertyFK foreign key (PotentialProperty_ID)
references Property(Property_ID)
Constraint Potential_PropertyFK2 foreign key (Business_Contact_ID) references
Business_Contact(Business_Contact_ID)
);


Create Table Lender (
Lender_ID INT primary key,
Lender_Name varchar(30),
Lender_Address varchar(30),
Lender_Phone_Number char(13),
Contact_Name varchar(30)
constraint LenderFK foreign key (Lender_ID) references
Business_Partner(Partner_ID))
;


Create Table Loan (
 Loan_ID Int Primary Key,
   Loan_Number Int,
   Lender_ID INT,
   Type_of_Loan Varchar (20),
   Closing_Costs Dec (11,2),
```

```sql
   Purchase_Price dec (11,2),
   Repair_costs Dec (11,2),
   Date_of_Loan date,
   Length_of_Loan Int,
   Repayment_Date Date,
   Interest_Rate Dec (4,2),
   Origination_Point Varchar (30),
   Monthly_Mortgage Dec (8,2),
   Total_Monthly_Mortgage Dec (8,2)
Constraint Lender_ID_FK Foreign Key (Lender_ID)
REFERENCES Lender(Lender_ID)
);


create table WIP_Property (
   WIPProperty_ID int primary key,
   Allocated_Rehabilitation_Amount decimal(11,2),
   Total_Rehabilitation_Amount decimal(11,2),
   Value_After_Repair decimal(11,2),
   Improvement_Date date,
   Loan_Number int NOT NULL,
   constraint WIP_PropertyFK1 foreign key (WIPProperty_ID) references
Property(Property_ID),
   constraint WIP_PropertyFK2 foreign key (Loan_Number) references
Loan(Loan_ID)
);


create table Rental_Property (
   RentalProperty_ID int primary key,
   Section_8 varchar(3),
   Government_Amount decimal(11,2)
   constraint Rental_PropertyFK foreign key (RentalProperty_ID) references
Property(Property_ID)
);


create table Sold_Property (
   SoldProperty_ID int primary key,
   Total_Rehabilitation_Cost decimal(11,2),
   Selling_Price decimal(11,2),
   Net_Profit decimal(11,2),
   Selling_Agent varchar(50),
   Closing_Cost decimal(11,2)
   constraint Sold_PropertyFK foreign key (SoldProperty_ID) references
Property(Property_ID)
);
```

```sql
Create Table Item (
Item_ID int primary key,
Item_Name varchar(30),
Item_Description varchar(30),
Cost decimal(11,2),
Item_Use varchar(30));


Create Table Purchase_Orderline (
Purchase_Orderline_ID int primary key,
PO_Quantity int,
Item_ID int,
PO_Number int
constraint Purchase_OrderlineFK foreign key (Item_ID) references Item(Item_ID)
constraint Purchase_OrderlineFK2 foreign key (PO_Number) references
Purchase_Order(PO_Number))
;


Create Table Purchase_Order (
PO_Number int primary key,
PO_Date datetime,
PO_Total decimal (11,2),
Supplier_ID int
Constraint Purchase_OrderFK foreign key (Supplier_ID) references
Supplier(Supplier_ID);


Create Table Supplier (
Supplier_ID int primary key,
Supplier_Name varchar(50),
Supplier_Number char(13),
Supplier_Address varchar(30),
Company_Discount decimal(11,2),
Supplier_Type varchar(20)
constraint SupplierFK foreign key (Supplier_ID) references
Business_Partner(Partner_ID)
);


Create Table Subcontractor (
Subcontractor_ID int primary key,
Subcontractor_Name varchar(20),
Subcontractor_Address varchar(40),
Subcontractor_Number char(13),
Hourly_Rate decimal(11,2),
```

```sql
Historical_Wages decimal(11,2),
Historical_Bonuses decimal(11,2),
Hours_Worked int,
Days_Worked int
constraint SubcontractorFK foreign key (Subcontractor_ID) references
Business_Partner(Partner_ID)
);

CREATE TABLE Skill(
    Skill_ID int PRIMARY KEY,
    Skill_Name varchar(20),
);


CREATE TABLE Subcontractor_Skill(
    Subcontractor_Skill_ID int Primary KEY,
    Subcontractor_ID int,
    Skill_ID INT,
    CONSTRAINT Subcontractor_SkillFK FOREIGN KEY (Subcontractor_ID) REFERENCES
Subcontractor(Subcontractor_ID),
    CONSTRAINT Subcontractor_SKillFK2 FOREIGN KEY (Skill_ID)REFERENCES
Skill(Skill_ID)
);


CREATE TABLE Tool(
    Tool_ID int PRIMARY KEY,
    Tool_Name varchar(30),
);


CREATE TABLE Subcontractor_Tool(
    Subcontractor_Tool_ID int PRIMARY KEY,
    Subcontractor_ID int,
    Tool_ID int,
    CONSTRAINT Subcontractor_ToolFK FOREIGN KEY (Subcontractor_ID) REFERENCES
Subcontractor(Subcontractor_ID),
    CONSTRAINT Subcontractor_ToolFK2 FOREIGN KEY (Tool_ID) REFERENCES
Tool(Tool_ID)
);


CREATE TABLE Business_Partner(
    Partner_ID int PRIMARY KEY,
    Partner_Name varchar(40),
    Material_Used varchar(40),
    Partner_Type varchar(25) NOT NULL
```

```sql
);


CREATE TABLE Business_Contact(
    Business_Contact_ID int PRIMARY KEY,
    Company_Name VARCHAR(40),
    Business_Address VARCHAR(50),
    Business_Number CHAR(13),
    Geographic_Specialization VARCHAR(30),
    Commission_Structure VARCHAR(50)
constraint Business_ContactFK foreign key (Business_Contact_ID) references
Business_Partner(Partner_ID),
constraint Business_ContactFK1 foreign key (Business_Contact_ID) REFERENCES
Potential_Property(PotentialProperty_ID)
);




Create Table Lease (
    Lease_ID INT PRIMARY Key,
    Tenant_ID INT,
    Lease_Start_Date date,
    Lease_End_Date DATE,
    Deposit_Amount DEC (11,2),
    Monthly_Rate Dec (11,2),
    Late_Fee DEC (5,2),
    Date_of_Late_Fee DATE,
    constraint LeaseFK Foreign key (Tenant_ID) references tenant(tenant_id)
);




Create Table Tenant(
    Tenant_ID INT Primary Key,
    Tenant_Name Varchar (50)
);


Create Table Repair (
    Repair_ID INT Primary Key,
    Allocated_Budgeted DEC (11,2),
    Actual_Repair_Costs Dec (11,2),
    Permit_Costs Dec (11,2),
    Permit_Required Varchar (20)
    Property_ID int
```

```sql
Constraint Repair_FK FOREIGN KEY (Property_ID) REFERENCES Property(Property_ID)
);



Create Table Maintenance (
    Maintenance_ID INT Primary Key,
    Maintenance_Date DATE,
    Cost_of_Labor Dec (11,2),
    Cost_of_Materials Dec (11,2),
    Tasks_Completed Varchar (50),
    Warranty VARCHAR (3),
    Property_ID int
CONSTRAINT MaintenanceFK foreign key (Property_ID) references Property
(Property_ID)
);



Create Table Escrow_Account (
    Account_ID Int Primary Key,
    Account_Name varchar (40),
    Initial_Account_Balance Dec (11,2),
);



Create Table Draw(
    Draw_ID Int Primary Key,
    Associated_Escrow_Account Int not null,
    Date_Created Date,
    Draw_Use varchar (50),
    Fee_Incurred Dec (11,2)
);


insert into [Owner] values (1, 'John', 'Doe', '123 Main St', 'Anytown', 'CA',
'12345-6789', '(555)123-4567');
insert into [Owner] values (2, 'Jane', 'Smith', '456 Elm St', 'Othertown',
'NY', '98765-4321', '(555)987-6543');
insert into [Owner] values (3, 'Michael', 'Johnson', '789 Oak St', 'Sometown',
'TX', '54321-9876', '(555)456-7890');
insert into [Owner] values (4, 'Emily', 'Williams', '321 Pine St',
'Anothertown', 'FL', '67890-1234', '(555)234-5678');
insert into [Owner] values (5, 'Christopher', 'Brown', '654 Maple St',
'Yetanothertown', 'WA', '87654-2109', '(555)789-0123');
insert into [Owner] values (6, 'Amanda', 'Jones', '987 Cedar St',
'Somewhereville', 'OR', '43210-9876', '(555)345-6789');
insert into [Owner] values (7, 'Daniel', 'Garcia', '135 Birch St',
'Nowhereville', 'IL', '76543-2109', '(555)890-1234');
```

```sql
insert into [Owner] values (8, 'Jessica', 'Martinez', '246 Walnut St',
'Anywhere', 'NV', '10987-6543', '(555)678-9012');
insert into [Owner] values (9, 'Matthew', 'Rodriguez', '357 Spruce St',
'Everytown', 'OH', '87654-3210', '(555)456-7890');
insert into [Owner] values (10, 'Sarah', 'Lopez', '468 Fir St', 'Anystate',
'GA', '21098-7654', '(555)901-2345');


insert into Property VALUES (1, '123 Main St', 'Anytown', 'CA', '12345-6789',
987654321, 'WIP', '2023-01-15', 250000.00);
insert into Property values (2, '456 Elm St', 'Othertown', 'NY', '98765-4321',
876543210, 'Rental', '2023-03-20', 500000.00);
insert into Property values (3, '789 Oak St', 'Sometown', 'TX', '54321-9876',
765432109, 'Sold', '2023-02-10', 300000.00);
insert into Property values (4, '321 Pine St', 'Anothertown', 'FL',
'67890-1234', 654321098, 'Potential', '2023-04-25', 150000.00);
insert into Property values (5, '654 Maple St', 'Yetanothertown', 'WA',
'87654-2109', 543210987, 'Rental', '2023-06-30', 750000.00);
insert into Property values (6, '987 Cedar St', 'Somewhereville', 'OR',
'43210-9876', 432109876, 'Sold', '2023-05-05', 350000.00);
insert into Property values (7, '135 Birch St', 'Nowhereville', 'IL',
'76543-2109', 321098765, 'WIP', '2023-08-12', 600000.00);
insert into Property values (8, '246 Walnut St', 'Anywhere', 'NV',
'10987-6543', 210987654, 'Potential', '2023-07-18', 400000.00);
insert into Property values (9, '357 Spruce St', 'Everytown', 'OH',
'87654-3210', 109876543, 'Rental', '2023-09-23', 200000.00);
insert into Property values (10, '468 Fir St', 'Anystate', 'GA', '21098-7654',
987654321, 'Sold', '2023-10-05', 800000.00);


insert into Potential_Property VALUES (1, 3, 2, 2000, 0.5, 'Fix and Flip',
'None', 150000.00, 110);
insert into Potential_Property values (2, 4, 3, 2500, 1.0, 'Hold and Rent',
'Expired Permit', 200000.00, 120);
insert into Potential_Property values (3, 2, 1, 1500, 0.25, 'Fix and Flip',
'Zoning Violation', 120000.00, 130);
insert into Potential_Property values (4, 5, 4, 3000, 0.75, 'Fix and Flip',
'Code Violation', 250000.00, 140);
insert into Potential_Property values (5, 3, 2, 1800, 0.3, 'Hold and Rent',
'None', 180000.00, 150);
insert into Potential_Property values (6, 4, 3, 2200, 0.4, 'Fix and Flip',
'None', 170000.00, 160);
insert into Potential_Property values (7, 2, 1, 1400, 0.2, 'Hold and Rent',
'Expired Permit', 130000.00, 170);
insert into Potential_Property values (8, 3, 2, 1900, 0.35, 'Fix and Flip',
'Zoning Violation', 160000.00, 180);
```

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insert into Potential_Property values (9, 4, 3, 2400, 0.5, 'Hold and Rent',
'Code Violation', 220000.00, 190);
insert into Potential_Property values (10, 2, 1, 1600, 0.25, 'Fix and Flip',
'None', 140000.00, 200);

INSERT INTO LENDER VALUES (738, 'Jones Jones Co','1892 Apple St. Knoxvlle
37909',   '(789)738-3278','Barbara Manatee');
INSERT INTO LENDER VALUES (19,'Loans Galore','123 Fake St. Springfld
12345','(865)267-1782','Ruth Johnson');
INSERT INTO LENDER VALUES (278,'Lending Is Fun','456 Elm Ave. Rivertown
54321','(783)898-7183','Billy James');
INSERT INTO LENDER VALUES (748,'Money Good','789 Maple Ln. Lakeside
98765','(728)671-9109','Cooper Roan');
INSERT INTO LENDER VALUES (29,'Loaning Swag','101 Pine Dr. Hillcrest
13579','(981)278-7199','Jill Bradshaw');
INSERT INTO LENDER VALUES (7829,'Bank of Swag','246 Oak Rd. Meadowville
97531','(728)781-7289','Hulk Sulk');
INSERT INTO LENDER VALUES (9282,'Kentucky Loans','369 Cedar Ct. Valleyview
24680','(156)145-1567','Bob Train');
INSERT INTO LENDER VALUES (5175,'Texas Loaning Co','482 Birch Pl. Woodland
86420','(718)781-1234','Ligament Goins');
INSERT INTO LENDER VALUES (7188,'People Lending','575 Walnut Way Mntnville
63928','(516)738-9199','Father Quinn');
INSERT INTO LENDER VALUES (65271,'Great Loans','680 Spruce St. Lakeshore
75309','(423)728-3415','Joe Toes');
INSERT INTO LENDER VALUES (6717,'Lit Bank Co','793 Ash Ave. Brookside
46802','(019)781-0083','Growth Chocolate');

INSERT INTO Loan VALUES (481329, 3518, 738, 'WIP Property', 3000, 68000, 11000,
'09-12-2023', 90, '12-12-2023', 4.5, 'Lender', 950, 1020);
INSERT INTO Loan VALUES (274872, 93759, 29, 'WIP Property', 2500, 75000, 12000,
'01-26-2019', 90, '04-26-2019', 4.7, 'Lender',1000, 1150);
INSERT INTO Loan VALUES (28648, 24945, 5175, 'WIP Property', 2000, 68000, 7500,
'04-07-2020', 90, '07-07-2020', 5.2,'Lender', 800, 920);
INSERT INTO Loan VALUES (76385, 75248, 7829 ,'WIP Property', 17000, 98000,
14000, '10-15-2021', 90, '01-15-2021', 3.7,'Lender', 1400, 1670);
INSERT INTO Loan VALUES (872754, 2864, 3755, 'WIP Property', 2400, 75000, 6000,
'07-04-2021', 90, '10-04-2021', 4.5, 'Lender', 1100, 1275);
INSERT INTO Loan VALUES (6526, 8284, 8294, 'WIP Property', 5000, 120500, 13000,
'04-19-2021', 90, '07-19-2021', 5.2, 'Lender',1700, 1975 );
INSERT INTO Loan VALUES (86723, 821645, 6717, 'WIP Property', 4300, 93000,
10500, '03-30-2020', 90, '06-30-2020', 3.9, 'Lender', 1250, 1475);
INSERT INTO Loan VALUES (5665175, 27642, 9282, 'WIP Property', 2200, 62000,
7000, '01-02-2022', 90, '04-02-2022', 5.4, 'Lender', 750, 920);
INSERT INTO Loan VALUES (927487, 21757, 7188, 'WIP Property', 3400, 75500,
9000, '06-13-2021', 90, '09-13-2021', 4.8, 'Lender', 900, 1125);
```

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INSERT INTO Loan VALUES (25472, 286758, 5175, 'WIP Property', 7300, 87000,
9500, '08-29-2020', 90, '11-29-2020', 6.0, 'Lender', 980, 1300);


insert into WIP_Property VALUES (1, 5000.00, 8000.00, 120000.00, '2023-01-15',
123456789);
insert into WIP_Property VALUES (2, 7000.00, 10000.00, 150000.00, '2023-02-20',
234567890);
insert into WIP_Property VALUES (3, 6000.00, 9000.00, 130000.00, '2023-03-10',
345678901);
insert into WIP_Property VALUES (4, 8000.00, 12000.00, 180000.00, '2023-04-25',
456789012);
insert into WIP_Property VALUES (5, 5500.00, 8500.00, 125000.00, '2023-05-30',
567890123);
insert into WIP_Property VALUES (6, 7500.00, 11000.00, 160000.00, '2023-06-15',
678901234);
insert into WIP_Property VALUES (7, 6500.00, 9500.00, 140000.00, '2023-07-12',
789012345);
insert into WIP_Property VALUES (8, 8500.00, 12500.00, 190000.00, '2023-08-20',
890123456);
insert into WIP_Property VALUES (9, 5800.00, 8800.00, 128000.00, '2023-09-05',
901234567);
insert into WIP_Property VALUES (10, 7700.00, 11500.00, 165000.00,
'2023-10-10', 123456789);


insert into Rental_Property VALUES (1, 'Yes', 500.00);
insert into Rental_Property VALUES  (2, 'No', 0.00);
insert into Rental_Property VALUES (3, 'Yes', 750.00);
insert into Rental_Property VALUES (4, 'No', 0.00);
insert into Rental_Property VALUES (5, 'Yes', 600.00);
insert into Rental_Property VALUES (6, 'No', 0.00);
insert into Rental_Property VALUES (7, 'Yes', 700.00);
insert into Rental_Property VALUES (8, 'No', 0.00);
insert into Rental_Property VALUES (9, 'Yes', 800.00);
insert into Rental_Property VALUES (10, 'No', 0.00);


insert into Sold_Property VALUES (1, 20000.00, 150000.00, 130000.00, 'John
Doe', 5000.00);
insert into Sold_Property VALUES (2, 25000.00, 180000.00, 145000.00, 'Jane
Smith', 6000.00);
insert into Sold_Property VALUES (3, 30000.00, 200000.00, 160000.00, 'Michael
Johnson', 7000.00);
insert into Sold_Property VALUES (4, 18000.00, 160000.00, 130000.00, 'Emily
Williams', 5500.00);
insert into Sold_Property VALUES (5, 22000.00, 175000.00, 145000.00,
'Christopher Brown', 6000.00);
insert into Sold_Property VALUES (6, 28000.00, 190000.00, 150000.00, 'Amanda
Jones', 6500.00);
```

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insert into Sold_Property VALUES (7, 21000.00, 165000.00, 135000.00, 'Daniel
Garcia', 5700.00);
insert into Sold_Property VALUES (8, 26000.00, 185000.00, 145000.00, 'Jessica
Martinez', 6200.00);
insert into Sold_Property VALUES (9, 19000.00, 155000.00, 130000.00, 'Matthew
Rodriguez', 5600.00);
insert into Sold_Property VALUES (10, 24000.00, 170000.00, 140000.00, 'Sarah
Lopez', 5900.00);

INSERT INTO ITEM VALUES (48273,'Office Chairs','Ergonomic
seating',89.00,'Comfortable seating');
INSERT INTO ITEM VALUES (90561,'Laptop Computers','Portable
workstations',720.00,'Mobile computing');
INSERT INTO ITEM VALUES (34789,'Printer Supplies','Ink
cartridges',45.00,'Printing documents');
INSERT INTO ITEM VALUES (62154,'Whiteboards','Wall-mounted
boards',65.00,'Visual presentations');
INSERT INTO ITEM VALUES (18326,'Desktop Monitors','High-resolution
screens',250.00,'Display output');
INSERT INTO ITEM VALUES (57092,'Office Desks','Wooden
workstations',320.00,'Workspace setup');
INSERT INTO ITEM VALUES (86430,'Projector Systems','Multimedia
projectors',550.00,'Presentations');
INSERT INTO ITEM VALUES (29573,'Coffee Machines','Espresso
makers',150.00,'Office refreshments');
INSERT INTO ITEM VALUES (73841,'Shredders','Paper shredders',75.00,'Document
disposal');
INSERT INTO ITEM VALUES (41657,'Surge Protectors','Power
strips',30.00,'Electrical safety');

INSERT INTO PURCHASE_ORDERLINE VALUES (7193,75,48273,874321);
INSERT INTO PURCHASE_ORDERLINE VALUES (4286,189,90561,503289 );
INSERT INTO PURCHASE_ORDERLINE VALUES (5639,42,34789,726584);
INSERT INTO PURCHASE_ORDERLINE VALUES (3872,567,62154,145672);
INSERT INTO PURCHASE_ORDERLINE VALUES (9154,91,18326,908743);
INSERT INTO PURCHASE_ORDERLINE VALUES (6427,328,57092,632189);
INSERT INTO PURCHASE_ORDERLINE VALUES (1738,54,86430,367925);
INSERT INTO PURCHASE_ORDERLINE VALUES (8964,217,29573,541786);
INSERT INTO PURCHASE_ORDERLINE VALUES (3451,69,73841,289473);
INSERT INTO PURCHASE_ORDERLINE VALUES (6289,830,41657,765432);


INSERT INTO PURCHASE_ORDER VALUES (874321,08/17/2015,35.75,582401);
INSERT INTO PURCHASE_ORDER VALUES (503289,11/29/2013,98.43,739856);
INSERT INTO PURCHASE_ORDER VALUES (726584,04/05/2018,22.60,124567);
INSERT INTO PURCHASE_ORDER VALUES (145672,06/22/2016,57.21,908324);
INSERT INTO PURCHASE_ORDER VALUES (908743,09/11/2017,123.99,635789);
```

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INSERT INTO PURCHASE_ORDER VALUES (632189,03/08/2014,84.50,271845);
INSERT INTO PURCHASE_ORDER VALUES (367925,10/14/2019,16.78,396728);
INSERT INTO PURCHASE_ORDER VALUES (541786,12/03/2011,199.95,504312);
INSERT INTO PURCHASE_ORDER VALUES (289473,05/20/2010,45.30,817643);
INSERT INTO PURCHASE_ORDER VALUES (765432,07/09/2012,72.88,95326);


INSERT INTO SUPPLIER VALUES (582401,'Starlight
Enterprises','(456)789-0123','123 Sunshine Blvd.',345.78,'Lighting supplier',
48273);
INSERT INTO SUPPLIER VALUES (739856,'Horizon Import Co.','(123)456-7890','456
Meadow Lane',512.43,'Import/export', 90561);
INSERT INTO SUPPLIER VALUES (124567,'Summit Supplies Ltd.','(789)012-3456','789
River Road',789.99,'Office wholesaler', 34789);
INSERT INTO SUPPLIER VALUES (908324,'Evergreen Trading
Group','(234)567-8901','101 Hillside Avenue',631.20,'Eco-products', 62154);
INSERT INTO SUPPLIER VALUES (635789,'Sapphire Distribution
Inc.','(901)234-5678','246 Lakeview Terrace',876.50,'Gemstone supplier',
18326);
INSERT INTO SUPPLIER VALUES (271845,'Apex Merchandising
Solutions','(567)890-1234','369 Park Place',423.75,'Display fixtures', 57092);
INSERT INTO SUPPLIER VALUES (396728,'BlueSky Wholesale','(890)123-4567','482
Oceanview Drive',598.36,'Outdoor supplier', 86430);
INSERT INTO SUPPLIER VALUES (504312,'Golden Harvest
Imports','(345)678-9012','575 Mountain Street',720.89,'Agriculture', 29578);
INSERT INTO SUPPLIER VALUES (817643,'SilverStream
Logistics','(678)901-2345','680 Sunset Court',936.25,'Transport', 73841);
INSERT INTO SUPPLIER VALUES (95326,'Crystal Clear
Ventures','(012)345-6789','793 Brookside Lane',867.32,'Glassware', 41657);

INSERT INTO SUBCONTRACTOR VALUES (5829301,'Smithson','123 Ironworks
Rd.','(210)345-6789',12.35,10.25,765.89,12,3);
INSERT INTO SUBCONTRACTOR VALUES (7398642,'Johnsons','456 Gear
Ave.','(321)456-7890',9.78,13.80,1542.75,28,10);
INSERT INTO SUBCONTRACTOR VALUES (1245678,'Williamse','789 Steel
St.','(432)567-8901',24.50, 22.45, 2, 890.45, 55);
INSERT INTO SUBCONTRACTOR VALUES (9083245,'Brownlee','101 Machine
Ln.','(543)678-9012',14.67,   16.90,  2037.60,   42, 8);
INSERT INTO SUBCONTRACTOR VALUES (6357890,'Joneson','246 Forge
Rd.','(654)789-0123',32.10,  11.75,  3567.88,   19, 12);
INSERT INTO SUBCONTRACTOR VALUES (2718453,'Millers','369 Factory
Blvd.','(765)890-1234',19.99,  35.20,  419.99, 36, 1);
INSERT INTO SUBCONTRACTOR VALUES (3967289,'Davison','482 Assembly
Dr.','(876)901-2345',45.30,   27.50,  1278.50,    8,  14);
INSERT INTO SUBCONTRACTOR VALUES (5043126,'Garciaz','575 Industrial
Pkwy','(987)012-3456',20.45,    18.60,  3421.25,    33, 7);
```

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INSERT INTO SUBCONTRACTOR VALUES (8176432,'Rodriguez','680 Welding
St.','(098)123-4567',15.75,  14.25,  1836.70,    17, 11);
INSERT INTO SUBCONTRACTOR VALUES (9532687,'Wilsons','793 Foundry
Rd','(109)234-5678',28.60, 30.15,  2999.95,    47, 2);

INSERT INTO Skill VALUES(101, 'Plumbing');
INSERT INTO Skill VALUES(102, 'HVAC');
INSERT INTO Skill VALUES(103, 'Electrical');
INSERT INTO Skill VALUES(104, 'Carpentry');
INSERT INTO Skill VALUES(105, 'Lawn Care');
INSERT INTO Skill VALUES(106, 'Roof Repair');
INSERT INTO Skill VALUES(107, 'Tile Installation');
INSERT INTO Skill VALUES(108, 'Painting');
INSERT INTO Skill VALUES(109, 'Framing');
INSERT INTO Skill VALUES(110, 'Woodwork');

INSERT INTO Subcontractor_Skill VALUES(120, 'Robert Taylor', 101);
INSERT INTO Subcontractor_Skill VALUES(125, 'Daniel Wilson', 102);
INSERT INTO Subcontractor_Skill VALUES(130, 'Jessica Chen', 105);
INSERT INTO Subcontractor_Skill VALUES(135, 'Emily Smith', 102);
INSERT INTO Subcontractor_Skill VALUES(140, 'Chloe Clark', 107);
INSERT INTO Subcontractor_Skill VALUES(145, 'Sarah Williams', 109);
INSERT INTO Subcontractor_Skill VALUES(150, 'Tyler Barrett', 110);
INSERT INTO Subcontractor_Skill VALUES(155, 'Peyton Brown', 108);
INSERT INTO Subcontractor_Skill VALUES(160, 'Sam Parrot', 109);
INSERT INTO Subcontractor_Skill VALUES(165, 'Micah Martinez', 103);

INSERT INTO Tool VALUES(120, 'Drill');
INSERT INTO Tool VALUES(121, 'Saw');
INSERT INTO Tool VALUES(122, 'Hammer');
INSERT INTO Tool VALUES(123, 'Wrench');
INSERT INTO Tool VALUES(124, 'Level');
INSERT INTO Tool VALUES(125, 'Measuring Tape');
INSERT INTO Tool VALUES(126, 'Nail Gun');
INSERT INTO Tool VALUES(127, 'Paint Gun');
INSERT INTO Tool VALUES(128, 'Pliers');
INSERT INTO Tool VALUES(129, 'Screwdriver');

INSERT INTO Subcontractor_Tool VALUES(110, 5829301, 124);
INSERT INTO Subcontractor_Tool VALUES(120, 7398642, 125);
INSERT INTO Subcontractor_Tool VALUES(130, 1245678, 121);
INSERT INTO Subcontractor_Tool VALUES(140, 9083245, 128);
INSERT INTO Subcontractor_Tool VALUES(150, 6357890, 126);
INSERT INTO Subcontractor_Tool VALUES(160, 2718453, 123);
INSERT INTO Subcontractor_Tool VALUES(170, 3967289, 122);
INSERT INTO Subcontractor_Tool VALUES(180, 5043126, 127);
INSERT INTO Subcontractor_Tool VALUES(190, 8176432, 129);
```

```sql
INSERT INTO Subcontractor_Tool VALUES(200, 9532687, 120);


INSERT INTO Business_Partners VALUES(101, 'Stellar Funding','Cash','Led=nder');
INSERT INTO Business_Partners VALUES(102, 'Marty
Smith','Plumbing','Subcontractor');
INSERT INTO Business_Partners VALUES(103, 'Summit Financing','Cash','Lender');
INSERT INTO Business_Partners VALUES(104, 'Business Solutions','Office
Chairs','Supplier');
INSERT INTO Business_Partners VALUES(105, 'Perry
Johnson','HVAC','Subcontractor');
INSERT INTO Business_Partners VALUES(106, 'Money Now Loans','Cash','Lender');
INSERT INTO Business_Partners VALUES(107, 'SwiftSupplies','Pens','Supplier');
INSERT INTO Business_Partners VALUES(108, 'WoodNow','Wood','Supplier');
INSERT INTO Business_Partners VALUES(109, 'John
Lincoln','Painting','Subcontractor');
INSERT INTO Business_Partners VALUES(110, 'Liberty Lenders', 'Cash','Lender');


INSERT INTO Business_Contact VALUES(110, 'BlueSky Ventures','445 Main
St',889-752-9957,'Southwest','20% of Sales');
INSERT INTO Business_Contact VALUES(120, 'StellarCraft Designs', '711 Pine
Rd',665-581-3320,'Northeast','15% of Sales');
INSERT INTO Business_Contact VALUES(130, 'Sunburst Solar Energy','521 Cherry
St',887-632-4788,'Northwest','10% of Sales');
INSERT INTO Business_Contact VALUES(140, 'Heritage Home Renovations', '315
Heritage Rd',865-554-9833,'Southwest','30% of Sales');
INSERT INTO Business_Contact VALUES(150, 'AquaFlow Plumbing', '422 Water
St',451-847-6201, 'Southeast','23% of Sales');
INSERT INTO Business_Contact VALUES(160, 'BrightWave Painting', '879 Merry
Rd',325-841-7813,'East','12.5% of Sales');
INSERT INTO Business_Contact VALUES(170, 'Sparkle Homes', '665 Perry
St',348-913-6140,'South','5% of Sales');
INSERT INTO Business_Contact VALUES(180, 'PrimeSouce Materials','558 Ceder
Rd',983-654-2210,'North','2% of Sales');
INSERT INTO Business_Contact VALUES(190, 'Evergreen Landscaping','225 Plum
St',687-345-6680,'West','10% of Sales');
INSERT INTO Business_Contact VALUES(200, 'SilverOak Construction','755 Spurce
Rd',514-325-9410,'Southeast','4% of Sales');

INSERT INTO Lease VALUES (927, 728, '01-22-2019', '09-22-2024', 50, 750, 50,
'01-13-2020');
INSERT INTO Lease VALUES (27492, 38752, '11-13-2013', '05-13-2024', 100, 970,
50, '12-17-2013');
INSERT INTO Lease VALUES (512836, 72842, '03-13-2021', '05-17-2024', 100, 925,
75, '08-14-2021');
INSERT INTO Lease VALUES (1341, 829, '06-19-2021', '02-19-2024', 50, 800, 75,
'01-03-2022');
```

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INSERT INTO Lease VALUES (2648, 728, '09-25-2018', '08-25-2024', 75, 850, 60,
'08-19-2019');
INSERT INTO Lease VALUES (17451, 1409, '05-11-2021', '04-11-2024', 50, 750, 25,
'04-13-2022');
INSERT INTO Lease VALUES (2734, 2975, '02-26-2020', '07-26-2024', 100, 950, 60,
'06-22-2022');
INSERT INTO Lease VALUES (83715, 4682, '04-09-2021', '06-09-2024', 50, 800, 50,
'02-19-2022');
INSERT INTO Lease VALUES (59722, 49672, '07-16-2022', '07-16-2024', 75, 850,
75, '03-28-2023');
INSERT INTO Lease VALUES (287421, 2104983, '12-16-2019', '04-16-2024', 75, 850,
65, '07-01-2021');


INSERT INTO Tenant VALUES (728, 'Paul Revere');
INSERT INTO Tenant VALUES (38752, 'Andrew Gollini');
INSERT INTO Tenant VALUES (49672, 'Colin James');
INSERT INTO Tenant VALUES (2104983, 'John Gomez');
INSERT INTO Tenant VALUES (2942, 'Matthew Williams');
INSERT INTO Tenant VALUES (4682, 'Scarlet Hansen');
INSERT INTO Tenant VALUES (2975, 'Chelsea Smith');
INSERT INTO Tenant VALUES (72842, 'Terry Cline');
INSERT INTO Tenant VALUES (829, 'Morgan Tyler');
INSERT INTO Tenant VALUES (1409, 'Jackie Fredward');

INSERT INTO Repair VALUES (1937, 75000, 81250, 12000, 'Driveway',3);
INSERT INTO Repair VALUES (10472, 80000, 65000, 10000, 'Roofing',6);
INSERT INTO Repair VALUES (926, 68250, 60000, 4000, 'Roofing',2);
INSERT INTO Repair VALUES (69274, 82000, 75000, 7000, 'Flooring',4);
INSERT INTO Repair VALUES (846729, 65000, 60000, 2500, 'Electrical',7);
INSERT INTO Repair VALUES (62847, 70000, 65000, 5000, 'Driveway',8);
INSERT INTO Repair VALUES (5173, 60000, 70000, 8500, 'WaterPipes',10);
INSERT INTO Repair VALUES (13902, 50000, 67500, 10000, 'Roofing',9);
INSERT INTO Repair VALUES (92648, 62000, 70000, 8000, 'Waterpipes',5);
INSERT INTO Repair VALUES (913852, 73000, 65000, 8400, 'Electrical',1);

INSERT INTO Maintenance VALUES (11292, '12-03-2019', 4500, 2000, 'Installing
Flooring', 'Yes',2);
INSERT INTO Maintenance VALUES (76249, '12-16-2020', 2000, 500, 'Installing
Lights', 'No',3 );
INSERT INTO Maintenance VALUES (2764, '04-02-2020', 3000, 1450, 'Water Pipes
Burst', 'No',6);
INSERT INTO Maintenance VALUES (876513, '06-30-2022', 1700, 300, ' Installing
Flooring', 'Yes',5);
INSERT INTO Maintenance VALUES (82648, '01-26-2023', 2300, 300, 'Furniture
Delivery', 'Yes',8);
```

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INSERT INTO Maintenance VALUES (7513, '11-12-2021', 750, 100, 'Wiring Electrical', 'No',9);
INSERT INTO Maintenance VALUES (8714, '07-14-2020', 400, 50, 'Broken Toilet', 'No',1);
INSERT INTO Maintenance VALUES (9724, '02-19-2020', 3000, 1500, 'Installing Flooring', 'No',10);
INSERT INTO Maintenance VALUES (5239985, '07-19-2023', 1200, 200, 'Dryer Repair', 'Yes',7);
INSERT INTO Maintenance VALUES (297476, '01-13-2019', 3500, 750, 'Gas Leak', 'No',4);

INSERT INTO Escrow_Account VALUES (27194, 'Johnny Appleseed', 131000);
INSERT INTO Escrow_Account VALUES (264, 'Joshua Gonzales', 97500);
INSERT INTO Escrow_Account VALUES (87275, 'Hannah Longler', 67500);
INSERT INTO Escrow_Account VALUES (72643, 'Abigail Systler', 134000);
INSERT INTO Escrow_Account VALUES (25497, 'William Bestom', 98000);
INSERT INTO Escrow_Account VALUES (72549, 'Maia Driang', 29000);
INSERT INTO Escrow_Account VALUES (32957, 'Amanda Crutch', 147500);
INSERT INTO Escrow_Account VALUES (28647, 'Noah Hanson', 50320);
INSERT INTO Escrow_Account VALUES (93764, 'Scarlet Gomaes', 101240);
INSERT INTO Escrow_Account VALUES (8613, 'Jessica Seymore', 64260);

INSERT INTO Draw VALUES (16396, 5628, '04-14-2017', 'Subcontractor Payment', 150);
INSERT INTO Draw VALUES (28647, 264, '01-29-2020', 'Repair', 50);
INSERT INTO Draw VALUES (25313, 93764, '09-14-2022', 'Repair', 50);
INSERT INTO Draw VALUES (9264, 87275, '10-11-2021', 'Subcontractor Payment', 100);
INSERT INTO Draw VALUES (826314, 32957, '03-29-2021', 'Subcontractor Payment', 200);
INSERT INTO Draw VALUES (17346, 8613, '11-28-2020', 'Repair', 50);
INSERT INTO Draw VALUES (97218, 72549, '02-20-2022', 'Subcontractor Payment', 50);
INSERT INTO Draw VALUES (972842, 5628, '04-14-2017', 'Repair', 100);
INSERT INTO Draw VALUES (276548, 25497, '12-21-2023', 'Repair', 100);
INSERT INTO Draw VALUES (61437, 264, '01-29-2020', 'Subcontractor Payment', 100);
```