**TABLE CODES AND TABLE POPULATION CODES**

CREATE TABLE Potential\_Buyer

(BuyerNumber char(8) not null,

Buyer\_Name char(20) not null,

Buyer\_Address char(50) not null,

Min\_Bedroom char,

Min\_Bathroom char,

Min\_reception char,

Family\_Type varchar(12) not null,

GarageRequired char(10),

Max\_price number,

constraint Potential\_Buyer\_BuyerNumber\_pk primary key(BuyerNumber));

CREATE TABLE Seller

(SellerNo char(8) not null,

Property\_Status char(20),

constraint Seller\_SellerNo\_pk primary key(SellerNo));

CREATE TABLE Sale\_Property

(PropertyCode char(10) not null,

SellerNo char(8) not null,

Area char(20),

Address char(50) not null,

Bedroom\_Number char,

Bathroom\_Number char,

Reception\_Number char,

Garage\_status varchar(10),

Property\_Type varchar(25) not null,

Price number,

Property\_ownership char(20),

Market\_Date date,

Property\_Current\_State char(15),

constraint Sale\_Property\_PropertyCode\_pk primary key(PropertyCode),

constraint Sale\_Property\_SellerNo\_fk Foreign key(SellerNo) references Seller(SellerNo));

CREATE TABLE Staff\_Member

(StaffNo varchar(8) not null,

Staff\_name char(20) not null,

Staff\_address varchar(80),

constraint Staff\_Member\_StaffNo\_pk primary key(StaffNo));

CREATE TABLE Viewing\_Appointment

(AppointmentNo char(10) not null,

BuyerNumber char(8) not null,

PropertyCode char(10) not null,

StaffNo varchar(8) not null,

AppointmentDate date,

Appointmenttime char(7) not null,

constraint Viewing\_Appointment\_AppointmentNo\_pk primary key(StaffNo,BuyerNumber,PropertyCode,AppointmentDate,Appointmenttime),

constraint Viewing\_Appointment\_BuyerNumber\_fk foreign key(BuyerNumber) references Potential\_Buyer(BuyerNumber),

constraint Viewing\_Appointment\_PropertyCode\_fk foreign key(PropertyCode) references Sale\_Property(PropertyCode),

constraint viewing\_Appointment\_StaffNo\_fk foreign key(StaffNo) references Staff\_Member(StaffNo));

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11065', 'Adekunle Ayomide', '10 Stellamaris Bristol', '2', '1', '1', 'Children', 'yes', 700);

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11075', 'Adebisi Muhammed', 'T43 Glamorgan Treforest', '4', '2', '2', 'Children', 'yes', 950);

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11088', 'Folami Phola', '30 Wood Road Treforest', '3', '2', '1', 'no Children', 'yes', 800);

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11092', 'Emmanuel Fintch', '40 Nepa Swansea', '5', '3', '2', 'Children', 'yes', 1050);

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11096', 'Deji USman', 'N13 Glamorgan Treforest', '3', '1', '1', 'no Children', 'yes', 750);

INSERT INTO

Potential\_Buyer(BuyerNumber,Buyer\_Name,Buyer\_Address,Min\_Bedroom,Min\_Bathroom,Min\_reception,Family\_Type,GarageRequired,Max\_price)

VALUES('A11083', 'Sorewei Evelyn', 'P12 Glamorgan Pontypridd', '2', '1', '1', 'no Children', 'no', 600);

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES ('SP1004','Null');

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES('SP1006', 'Null');

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES('SP1007', 'Null');

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES('SP1008', 'sold');

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES('SP1010', 'Null');

INSERT INTO

Seller(SellerNo,Property\_Status)

VALUES('SP1012', 'Sold');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0012','Bill Clinton','T3 Simpson aberdare');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0010','Sean Jane','N0 10 Cornerstone Swansea');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0008','Nanu Osberg','3 Onward Carthys');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0007','Free Bossman','16 Treewood Avonmouth');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0014','Lisa Laura','4 Moonnight Pontypridd');

INSERT INTO

Staff\_Member(StaffNo,Staff\_name,Staff\_address)

VALUES('M0016','Ben Bruce','15 Wood Road Cardiff');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10063','SP1004','Pontypridd','M10 Wood Road','4','2','1','Yes','Detached',950,'freehold','03-JUN-2022','Unsold');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10065','SP1010','Pontypridd','Y5 Bucketty','3','2','1','Yes','Terrace',800,'leasehold','15-MAY-2022','Unsold');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10058','SP1006','Swansea','No15 Forest Groove','5','2','2','Yes','Semi-Detached',1100,'freehold','20-APR-2022','Unsold');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10048','SP1012','Cardiff','T16 Morgan Base','3','1','1','Yes','Link',750,'freehold','15-JAN-2022','Sold');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10043','SP1007','Newport','Memorial Road','2','1','1','No','Terrace',650,'freehold','03-MAR-2022','Unsold');

INSERT INTO

Sale\_Property(PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State)

VALUES('PC10052','SP1008','Bridgend','Old Legacy Road','4','2','1','Yes','Semi-Detached',950,'leasehold','10-FEB-2022','Sold');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1006','A11065','PC10063','M0012','06-JAN-2023','12:00');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1008','A11075','PC10065','M0010','28-NOV-2022','14:00');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1010','A11088','PC10058','M0008','04-DEC-2022','15:00');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1012','A11092','PC10048','M0007','15-NOV-2022','12:00');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1023','A11096','PC10043','M0014','20-DEC-2022','10:00');

INSERT INTO

Viewing\_Appointment(AppointmentNo,BuyerNumber,PropertyCode,StaffNo,AppointmentDate,Appointmenttime)

VALUES('NP1014','A11083','PC10052','M0016','12-NOV-2022','09:30');

SELECT \*

FROM Potential\_Buyer;

SELECT \*

FROM Seller;

SELECT \*

FROM Staff\_Member;

SELECT \*

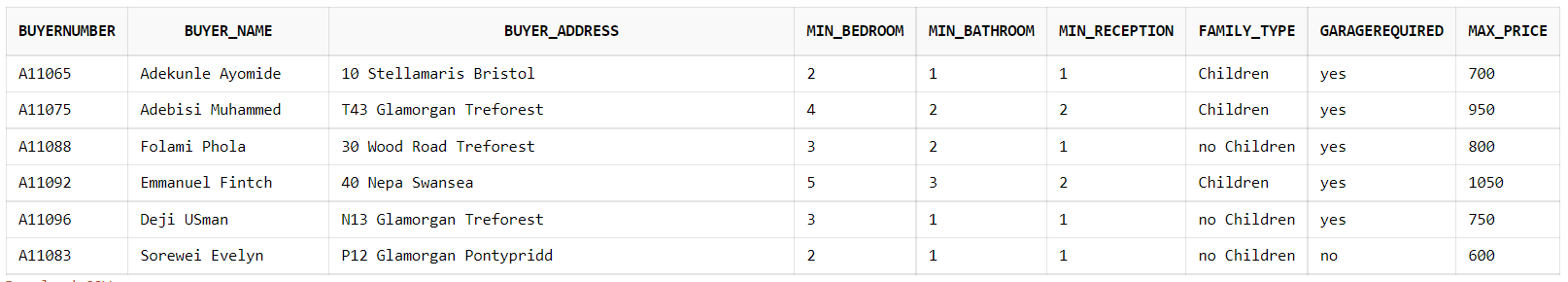
FROM Sale\_Property;

SELECT \*

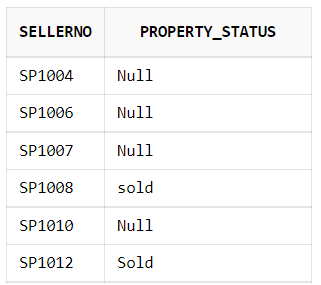
FROM Viewing\_Appointment;

**POPULATION TABLES**

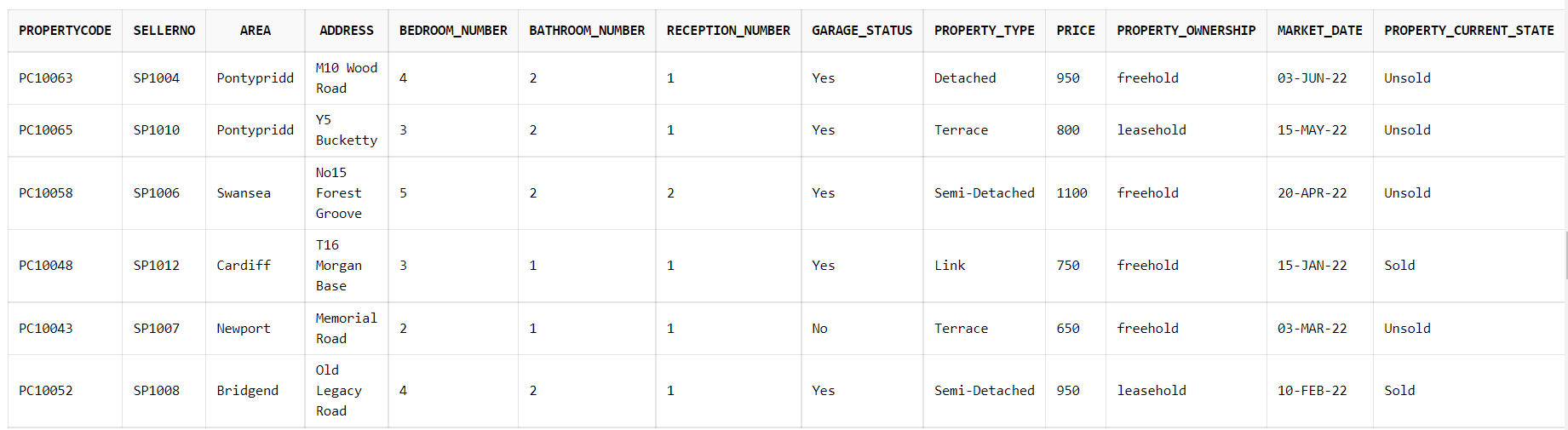
* Potential\_Buyer



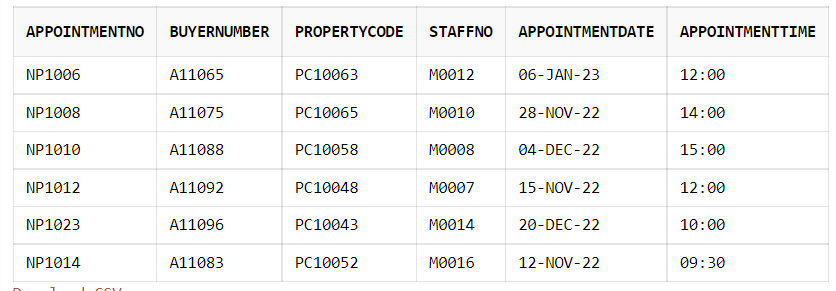
* Seller



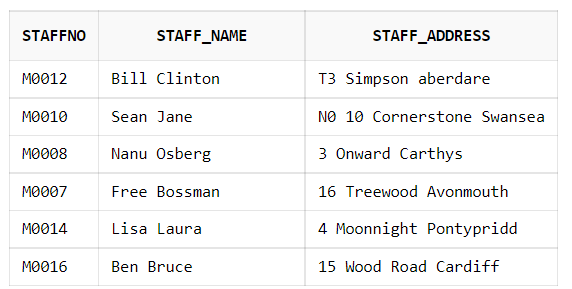
* Sales\_Property



* Viewing\_Appointment



* Staff\_Member



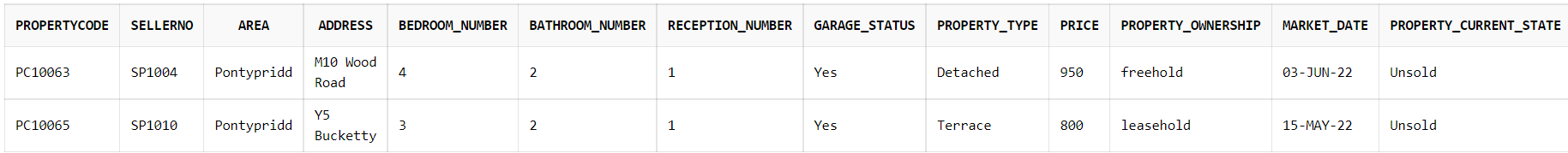
**ANSWERS TO THE QUESTIONS**

QUESTION ONE (1):

SELECT PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State

FROM Sale\_Property

WHERE Area IN ('Pontypridd');



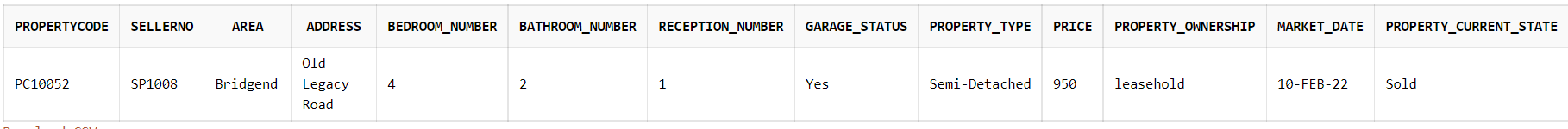
QUESTION TWO (2):

SELECT PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State

FROM Sale\_Property

WHERE Property\_Type IN ('Semi-Detached')

AND Property\_Current\_State IN ('Sold');



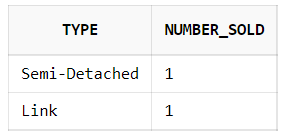
QUESTION THREE (3):

SELECT Property\_Type AS Type,COUNT(Property\_Current\_State) AS Number\_Sold

FROM Sale\_Property

WHERE Property\_Current\_State IN ('Sold')

GROUP BY Property\_Type,Property\_Current\_State;



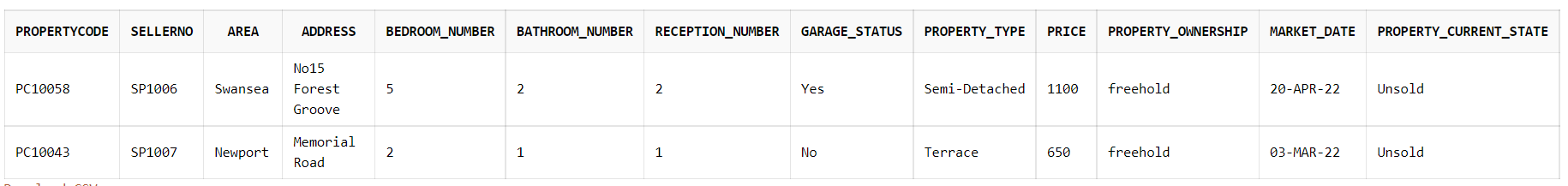
QUESTION FOUR (4):

SELECT \*

FROM Sale\_Property

WHERE Price IN (SELECT MAX(Price) FROM Sale\_Property)

OR Price IN(SELECT MIN(Price) FROM Sale\_Property);



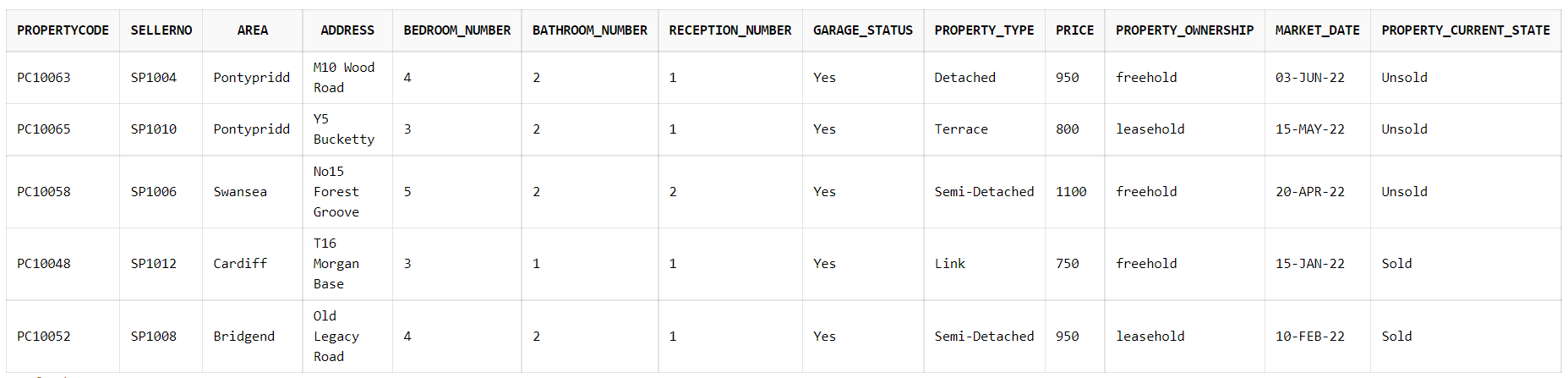
QUESTION FIVE (5):

SELECT PropertyCode,SellerNo,Area,Address,Bedroom\_Number,Bathroom\_Number,Reception\_Number,Garage\_Status,Property\_Type,Price,Property\_Ownership,Market\_Date,Property\_Current\_State

FROM Sale\_Property

WHERE Bedroom\_Number >=3 AND Bathroom\_Number >=1

AND Garage\_Status IN ('Yes');



QUESTION SIX (6):

QUESTION EIGHT (8):

SELECT AppointmentNo,BuyerNumber,PropertyCode,AppointmentDate,Appointmenttime,'Supervised By','M0014','Lisa Laura'

FROM Viewing\_Appointment;

