

```
CREATE SCHEMA ATourismCompany;
```

```
CREATE TABLE Manager(  
managerID INT(9) NOT NULL,  
mngrName VARCHAR(20),  
mngrEmail VARCHAR(30),  
mngrGender VARCHAR(10), CHECK(mngrGender IN ('Female', 'Male')),  
mngrSalary INT(5),  
CONSTRAINT Manager_PK PRIMARY KEY(managerID)  
);  
  
CREATE TABLE Management(  
managementCode CHAR(5) NOT NULL,  
mName VARCHAR(40),  
dateOfFoundation DATE,  
mContactNum INT(10),  
mEmail VARCHAR(40),  
city VARCHAR(10),  
street VARCHAR(10),  
zipCode INT(5),  
managerID INT(9),  
CONSTRAINT Management_PK PRIMARY KEY(managementCode),  
CONSTRAINT Management_FK FOREIGN KEY(managerID) REFERENCES Manager(managerID) ON DELETE SET NULL  
);
```

```
CREATE TABLE Tourist_Guide(  
touristGuideID INT(9) NOT NULL,  
gName VARCHAR(20),  
gdateOfBirth DATE,  
gEmail VARCHAR(30),  
gNationality VARCHAR(10),  
gGender VARCHAR(10), CHECK(gGender IN ('Female', 'Male')),  
gAddress VARCHAR(40),  
gQualification VARCHAR(20),  
gEducational VARCHAR(40),  
gLanguages VARCHAR(10),  
gExperience VARCHAR(20),  
managementCode CHAR(5),  
CONSTRAINT Tourist_Guide_PK PRIMARY KEY(touristGuideID),  
CONSTRAINT Tourist_Guide_FK FOREIGN KEY(managementCode) REFERENCES Management(managementCode) ON DELETE SET NULL  
);
```

```
CREATE TABLE Tourist_Guide_Phone(  
touristGuideID INT(9) NOT NULL,  
gPhoneNum INT(10) NOT NULL,  
CONSTRAINT Tourist_Guide_Phone_PK PRIMARY KEY(touristGuideID, gPhoneNum),  
CONSTRAINT Tourist_Guide_Phone_FK FOREIGN KEY(touristGuideID) REFERENCES Tourist_Guide(touristGuideID) ON DELETE CASCADE  
);
```

```
CREATE TABLE Tourist_Guide_skill(  
touristGuideID INT(9) NOT NULL,  
gSkills VARCHAR(30) NOT NULL,  
CONSTRAINT Tourist_Guide_skill_PK PRIMARY KEY(touristGuideID, gSkills),  
CONSTRAINT Tourist_Guide_skill_FK FOREIGN KEY(touristGuideID) REFERENCES Tourist_Guide(touristGuideID) ON DELETE CASCADE  
);
```

```
CREATE TABLE Tourist(  
tPassportNo CHAR(10) NOT NULL,  
tname VARCHAR(20),  
tBirthOfDate DATE,  
tNationality VARCHAR(10),  
tMartialState VARCHAR(10),  
tGender VARCHAR(10), CHECK(tGender IN ('Female', 'Male')),  
dateOfIssue DATE,  
dateOfExpiry DATE,  
managementCode CHAR(5),  
touristGuideID INT(9),  
CONSTRAINT Tourist_PK PRIMARY KEY(tPassportNo),  
CONSTRAINT Tourist_FK1 FOREIGN KEY(managementCode) REFERENCES Management(managementCode) ON DELETE SET NULL,  
CONSTRAINT Tourist_FK2 FOREIGN KEY(touristGuideID) REFERENCES Tourist_Guide(touristGuideID) ON DELETE SET NULL  
);
```

```
CREATE TABLE Tour_Package(  
packageNo CHAR(8) NOT NULL,  
pName VARCHAR(10),  
pDuration VARCHAR(20),  
pDetails VARCHAR(130),  
managementCode CHAR(5),  
tPassportNo CHAR(10),  
CONSTRAINT Tour_Package_PK PRIMARY KEY(packageNo),  
CONSTRAINT Tour_Package_FK1 FOREIGN KEY(managementCode) REFERENCES Management(managementCode) ON DELETE SET NULL,  
CONSTRAINT Tour_Package_FK2 FOREIGN KEY(tPassportNo) REFERENCES Tourist(tPassportNo) ON DELETE SET NULL  
);
```

```
CREATE TABLE Package_Cost(  
packageNo CHAR(8) NOT NULL,
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pType VARCHAR(10) NOT NULL,
pPrice INT(5) NOT NULL,
CONSTRAINT Package_Cost_PK PRIMARY KEY(packageNo, pPrice, pType),
CONSTRAINT Package_Cost_FK FOREIGN KEY(packageNo) REFERENCES Tour_Package(packageNo) ON DELETE CASCADE
);
```

```
CREATE TABLE Hotel(
hotelID CHAR(5) NOT NULL,
hName VARCHAR(20),
hRating DECIMAL(2, 1),
hReviews VARCHAR(40),
numOfRooms INT(1),
accommodationDuration VARCHAR(20),
hRoomNo INT(3),
hPrice INT(4),
city VARCHAR(10),
street VARCHAR(20),
zipCode INT(5),
managementCode CHAR(5),
CONSTRAINT Hotel_PK PRIMARY KEY(hotelID),
CONSTRAINT Hotel_FK FOREIGN KEY(managementCode) REFERENCES Management(managementCode) ON DELETE SET NULL
);
```

```
CREATE TABLE Hotel_Service(
hotelID CHAR(5) NOT NULL,
hServices VARCHAR(30) NOT NULL,
CONSTRAINT Hotel_Service_PK PRIMARY KEY(hotelID, hServices),
CONSTRAINT Hotel_Service_FK FOREIGN KEY(hotelID) REFERENCES Hotel(hotelID) ON DELETE CASCADE
);
```

```
CREATE TABLE Transportation(
licensePlatesID CHAR(7) NOT NULL,
tType VARCHAR(10),
tDestination VARCHAR(40),
tStations VARCHAR(130),
tPayWay VARCHAR(10),
tPrice INT(3),
aDeparture TIME,
aReturn TIME,
dName VARCHAR(20),
dDateOfBirth DATE,
dPhoneNum INT(10),
dNationality VARCHAR(5),
managementCode CHAR(5),
CONSTRAINT Transportation_PK PRIMARY KEY(licensePlatesID),
CONSTRAINT Transportation_FK FOREIGN KEY(managementCode) REFERENCES Management(managementCode) ON DELETE SET NULL
);
```

```
CREATE TABLE Transportation_Service(
licensePlatesID CHAR(7) NOT NULL,
tServices VARCHAR(10) NOT NULL,
CONSTRAINT Transportation_Service_PK PRIMARY KEY(licensePlatesID, tServices),
CONSTRAINT Transportation_Service_FK FOREIGN KEY(licensePlatesID) REFERENCES Transportation(licensePlatesID) ON DELETE CASCADE
);
```

```
INSERT INTO Manager
VALUES(422000115, 'Hanan Farooqi', 'hanan.farooqi@gmail.com', 'Female', 4890),
(416000909, 'Abdulmajid Al-Qefari', 'abdulmajid.alqefari@gmail.com', 'Male', 6110),
(419000125, 'Maria Ahmad', 'maria.Ahmad@gmail.com', 'Female', 7880),
(412000821, 'Hamad Al-Turaif', 'hamad.alturaif@gmail.com', 'Male', 8940),
(420001118, 'Arwa Tariq', 'arwa.tariq@gmail.com', 'Female', 12590);
SELECT *
FROM Manager;
```

```
INSERT INTO Management
VALUES('M0804', 'A Tourism Company (Al-Jubail Branch)', STR_TO_DATE('08/04/2001', '%d/%m/%Y'),
0573464916, 'toursimcompany.aljubail@gmail.com', 'Al-Jubail', 'Al-Faiha', 35811, 422000115),
('M2901', 'A Tourism Company (Riyadh Branch)', STR_TO_DATE('29/01/1996', '%d/%m/%Y'),
0546066682, 'toursimcompany.riyadh@gmail.com', 'Riyadh', 'Al-Alia', 12212, 416000909),
('M2105', 'A Tourism Company (Abha Branch)', STR_TO_DATE('21/05/1998', '%d/%m/%Y'),
0558078451, 'toursimcompany.abha@gmail.com', 'Abha', 'Al-Muruj', 62527, 419000125),
('M2402', 'A Tourism Company (Dammam Branch)', STR_TO_DATE('24/02/1992', '%d/%m/%Y'),
0552280666, 'toursimcompany.dammam@gmail.com', 'Dammam', 'Al-Manar', 32274, 412000821),
('M0802', 'A Tourism Company (Mecca Branch)', STR_TO_DATE('08/02/2001', '%d/%m/%Y'),
0560064502, 'toursimcompany.mecca@gmail.com', 'Mecca', 'Al-Zahir', 24222, 420001118);
SELECT *
FROM Management;
```

```
INSERT INTO Tourist_Guide
VALUES(420000704, 'Dhuha Amado', STR_TO_DATE('13/10/1999', '%d/%m/%Y'), 'dhuha.amado@gmail.com', 'Saudi', 'Female',
'Al-Faiha Street, Al-Jubail City', 'Diploma Degree', 'Al-Jubail College', 'Chinese', 'Three Years', 'M0804'),
(426000226, 'Moataz Abdullah', STR_TO_DATE('06/04/2005', '%d/%m/%Y'), 'moataz.abdullah@gmail.com', 'Saudi', 'Male',
'Al-Alia Street, Riyadh City', 'High School', 'Al-Alia School', 'English', 'One Year', 'M2901'),
(424001027, 'Jana Al-Yamani', STR_TO_DATE('22/12/2003', '%d/%m/%Y'), 'jana.alyamani@gmail.com', 'Saudi', 'Female',
'Al-Muruj Street, Abha City', 'Bachelor Degree', 'King Khalid University', 'Turkish', 'Five Years', 'M2105'),
(389001016, 'Maatouk Mohsen', STR_TO_DATE('26/12/1969', '%d/%m/%Y'), 'maatouk.mohsen@gmail.com', 'Saudi', 'Male',
'Al-Manar Street, Dammam City', 'Master Degree', 'Imam Abdulrahman Bin Faisal University', 'Indian', 'Seven Years', 'M2402'),
```

```
(404001019, 'Suha Asas', STR_TO_DATE('18/07/1984', '%d/%m/%Y'), 'suha.asas@gmail.com', 'Saudi', 'Female',
'Al-Zahir Street, Mecca City', 'PhD Degree', 'Umm Al-Qura University', 'Spanish', 'Nine Years', 'M0802');
SELECT *
FROM Tourist_Guide;
```

```
INSERT INTO Tourist_Guide_Phone
VALUES(420000704, 0582737110), (420000704, 0501690659),
(426000226, 0554287113), (426000226, 0508894248),
(424001027, 0554287115), (424001027, 0555634561),
(389001016, 0555505518), (389001016, 0597891012),
(404001019, 0544803054), (404001019, 0534855007);
SELECT *
FROM Tourist_Guide_Phone;
```

```
INSERT INTO Tourist_Guide_skill
VALUES(420000704, 'Tour Planning'), (420000704, 'Time Management'),
(426000226, 'Creative Problem Solving'), (426000226, 'Travel Knowledge'),
(424001027, 'Advanced Planning'), (424001027, 'Excellent Communication'),
(389001016, 'Collaboration with Work Team'), (389001016, 'Multitasking'),
(404001019, 'Flexibility in Dealing'), (404001019, 'Adaptability');
SELECT *
FROM Tourist_Guide_skill;
```

```
INSERT INTO Tourist
VALUES('T020101', 'Jonab Zaker', STR_TO_DATE('02/01/2001', '%d/%m/%Y'), 'Chinese', 'Single', 'Female',
STR_TO_DATE('03/01/2022', '%d/%m/%Y'), STR_TO_DATE('02/06/2030', '%d/%m/%Y'), 'M0804','420000704'),
('T050211', 'Abdullah Al-Mohsen', STR_TO_DATE('05/02/2011', '%d/%m/%Y'), 'British', 'Single', 'Male',
STR_TO_DATE('07/02/2022', '%d/%m/%Y'), STR_TO_DATE('13/07/2030', '%d/%m/%Y'), 'M2901','426000226'),
('T210582', 'Momenah Al-Hadad', STR_TO_DATE('21/05/1982', '%d/%m/%Y'), 'Turkish', 'Married', 'Female',
STR_TO_DATE('26/03/2022', '%d/%m/%Y'), STR_TO_DATE('24/08/2030', '%d/%m/%Y'), 'M2105','424001027'),
('T200677', 'Ibrahim Mohammad', STR_TO_DATE('20/06/1977', '%d/%m/%Y'), 'Indian', 'Married', 'Male',
STR_TO_DATE('26/04/2022', '%d/%m/%Y'), STR_TO_DATE('25/09/2030', '%d/%m/%Y'), 'M2402','389001016'),
('T120802', 'Siren Al-Bloushi', STR_TO_DATE('12/08/2002', '%d/%m/%Y'), 'Spanish', 'Single', 'Female',
STR_TO_DATE('20/05/2022', '%d/%m/%Y'), STR_TO_DATE('10/10/2030', '%d/%m/%Y'), 'M0802','404001019');
SELECT *
FROM Tourist;
```

```
INSERT INTO Tour_Package
VALUES('TP120102', 'Winter', 'Five Days', '1-2 Day Al-Jubail City: Al-Jaubail Mall & Al Nakheel Beach,
3-4 Day Al-Khobar City: Al-Rashid Mall & Corniche Al Khobar', 'M0804', 'T020101'),
('TP030407', 'Spring', 'Seven Days', '1-3 Day Riyadh City: Winter Wonderland & National Museum,
4-6 Day Jeddah City: City Walk & Athr Gallery', 'M2901', 'T050211'),
('TP050510', 'Spring', 'Ten Days', '1-5 Day Abha City: Jebel Al-Akhdar & Aseer Regional Museum,
6-9 Day Taif City: Al-Wahba Crater & Subhra Palace', 'M2105', 'T210582'),
('TP060708', 'Summer', 'Fourteen Days', '1-7 Day Dammam City: The Heritage Village & Marjan Island,
8-13 Day Al-Ahsa City: The Ibrahim Palace & Jawatha Tourist City', 'M2402', 'T200677'),
('TP091011', 'Autumn', 'Nineteen Days', '1-10 Day Medina City: Al-Noor Mall & Masjid AL-Nabawi,
11-19 Day Mecca City: Makkah Mall & Masjid Al-Haram', 'M0802', 'T120802');
SELECT *
FROM Tour_Package;
```

```
INSERT INTO Package_Cost
VALUES('TP120102', 'Shopping', 759), ('TP120102', 'Nature', 2549),
('TP030407', 'Fun', 4190), ('TP030407', 'Cultural', 5980),
('TP050510', 'Nature', 7987), ('TP050510', 'Historical', 9777),
('TP060708', 'Historical', 12150), ('TP060708', 'Activities', 13940),
('TP091011', 'Shopping', 16679), ('TP091011', 'Religious', 18469);
SELECT *
FROM Package_Cost;
```

```
INSERT INTO Hotel
VALUE('H1346', 'High End Gardens', 5.0, 'Near Al-Rashid Mall', 1, 'One Days', 501, 5177, 'Al-Khobar', 'Al-Aqrabiyah', 34446, 'M0804'),
('H2241', 'Boudl Al-Tahlia', 4.5, 'Near Midan Al-Darajah', 2, 'Two Days', 452, 4548, 'Jeddah', 'Al-Faisaliyah', 21411, 'M2901'),
('H3253', 'Mandaren Suites', 3.0, 'Near King Faisal Hospital', 3, 'Three Days', 303, 3936, 'Taif', 'Al-Shafa', 26513, 'M2105'),
('H4392', 'Dhawq Al-Khayal', 2.5, 'Near Al-Ahsa International Airport', 4, 'Fourth Days', 254, 2684, 'Al-Ahsa', 'Al-Sharqiyah', 31982, 'M2402'
),
('H5295', 'Awtad Al-Mutahida', 1.0, 'Near Masjid Al-Haram', 5, 'Five Days', 105, 1300, 'Mecca', 'Al-Aziziyah', 21955, 'M0802');
SELECT *
FROM Hotel;
```

```
INSERT INTO Hotel_Service
VALUE('H1346', 'Free WI-FI'), ('H1346', 'Sauna'),
('H2241', 'Fitness Center'), ('H2241', 'Game Room'),
('H3253', 'Free WI-FI'), ('H3253', 'Car Park'),
('H4392', 'Laundry and Ironing Clothing'), ('H4392', 'Free Breakfast'),
('H5295', 'Room Cleaning'), ('H5295', 'Free WI-FI');
SELECT *
FROM Hotel_Service;
```

```
INSERT INTO Transportation
VALUES('GHA-020', 'Private', 'Al-Jubail City & Al-Khobar City', 'Al-Jaubail City: Al-Jaubail Mall & Al Nakheel Beach, Al-Khobar City:
Al-Rashid Mall & Corniche Al Khobar', 'Visa', 469, STR_TO_DATE('12:01:13', '%h:%i:%s'), STR_TO_DATE('01:02:03', '%h:%i:%s'),
'Ghaidaa Al-Ghamdi', STR_TO_DATE('17/06/2002', '%d/%m/%Y'), 0566585223, 'Saudi', 'M0804'),
('ALI-015', 'Public', 'Riyadh City & Jeddah City', 'Riyadh City: Riyadh City: Winter Wonderland & National Museum, Jeddah City:
City Walk & Athr Gallery', 'Cash', 549, STR_TO_DATE('03:04:07', '%h:%i:%s'), STR_TO_DATE('07:04:03', '%h:%i:%s'),
'Ali Shaiya', STR_TO_DATE('18/08/2007', '%d/%m/%Y'), 0549823250, 'Saudi', 'M2901'),
('MEZ-045', 'Private', 'Abha City & Taif City', 'Abha City: Jebel Al-Akhdar & Aseer Regional Museum, Taif City:
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Al-Wahba Crater & Subhra Palace', 'Visa', 777, STR_TO_DATE('05:05:10', '%h:%i:%s'), STR_TO_DATE('10:05:05', '%h:%i:%s'),
'Meznah Al-Mohsen', STR_TO_DATE('09/11/1978', '%d/%m/%Y'), 0560011563, 'Saudi', 'M2105'),
('ABD-016', 'Public', 'Dammam City & Al-Ahsa City', 'Dammam City: Dammam City: The Heritage Village & Marjan Island, Al-Ahsa City:
The Ibrahim Palace & Jawatha Tourist City', 'Cash', 940, STR_TO_DATE('06:07:13', '%h:%i:%s'), STR_TO_DATE('07:08:15', '%h:%i:%s'),
'Abdulrahman Ali', STR_TO_DATE('21/06/2006', '%d/%m/%Y'), 0549823270, 'Saudi', 'M2402'),
('MAW-020', 'Private', 'Medina City & Mecca City', 'Medina City: Al-Noor Mall & Masjid AL-Nabawi, Mecca City:
Makkah Mall & Masjid Al-Haram', 'Visa', 980, STR_TO_DATE('09:10:19', '%h:%i:%s'), STR_TO_DATE('10:11:21', '%h:%i:%s'),
'Mawaddah Al-Awad', STR_TO_DATE('18/07/2002', '%d/%m/%Y'), 0545492569, 'Saudi', 'M0802');
SELECT *
FROM Transportation;

INSERT INTO Transportation_Service
VALUES('GHA-020', 'Free WI-FI'), ('GHA-020', 'NewsPaper'),
('ALI-015', 'NewsPaper'), ('ALI-015', 'Free Meal'),
('MEZ-045', 'Free WI-FI'), ('MEZ-045', 'Free Meal'),
('ABD-016', 'Free WI-FI'), ('ABD-016', 'Pillow'), ('ABD-016', 'Blanket'),
('MAW-020', 'Blanket'), ('MAW-020', 'Pillow'), ('MAW-020', 'Free Meal');
SELECT *
FROM Transportation_Service;

UPDATE Manager
SET mngrSalary = mngrSalary * 1.25
WHERE mngrSalary NOT BETWEEN 8000 AND 13000;
SELECT *
FROM Manager;

SELECT G.touristGuideID, gName, gGender, gPhoneNum, gLanguages, gSkills
FROM Tourist_Guide G, Tourist_Guide_Phone GP, Tourist_Guide_skill GS
WHERE G.touristGuideID = GP.touristGuideID AND G.touristGuideID = GS.touristGuideID;

SELECT T.tPassportNo, tname, tNationality, tMartialState, packageNo, pName, pDuration
FROM Tourist T, Tour_Package P
WHERE T.tPassportNo = P.tPassportNo
ORDER By T.tPassportNo DESC, packageNo ASC;

SELECT *
FROM Package_Cost
WHERE pPrice > (SELECT AVG(pPrice) FROM Package_Cost);

SELECT *
FROM Transportation
WHERE managementCode IN(SELECT managementCode
FROM management
WHERE managerID IN(SELECT managerID
FROM manager
WHERE managerID = 422000115 OR managerID = 420001118
));

SELECT managerID, mngrSalary/7 AS weeklyMngrSalary
FROM Manager
ORDER By mngrSalary;

SELECT COUNT(licensePlatesID), tServices
FROM Transportation_Service
GROUP BY tServices
ORDER BY licensePlatesID DESC;

SELECT packageNo, COUNT(pType) , pPrice
FROM Package_Cost
GROUP BY packageNo
HAVING pPrice > 5000
ORDER BY packageNo DESC;

DELETE FROM Hotel_Service
WHERE hServices NOT IN('Free WI-FI', 'Room Cleaning', 'Laundry and Ironing Clothing');
SELECT DISTINCT hServices
From Hotel_Service;

#
#Jonab Zaker Hussain
#442017247

#Ghaida Saeed Alghamdi
#442011309

#AFRA DIL MOHAMMAD JALAL
#441018004

#shouq Faisal Alsubhi
#441015212

#Dhuha Isa Abdullah Amado
#442019891

#Hanan Abdul Quddus Abdurr Rahman Faruquee
#442017249
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