HW4 - FamCation

Step 2 CONDO

```
Object Explorer Details SQLQuery5.sql - w...AD\mchhabr5 (174))

DROP TABLE IF EXISTS CONDO;

DROP TABLE IF EXISTS FAMILY;

DROP TABLE IF EXISTS CLEANING;

DROP TABLE IF EXISTS BOOKING;

DROP TABLE IF EXISTS BOOKING;

DROP TABLE IF ONDO (

BldgNum char(1) NOT NULL,

UnitNum char(3) NOT NULL,

SqrFt smallint NOT NULL,

Bdrms tinyint NOT NULL,

DailyRate decimal(7,2) NOT NULL,

PRIMARY KEY (BldgNum, UnitNum)

);

column UnitNum(char not null)
```

FAMILY

```
Object Explorer Details SQLQuery5.sql - w...AD\mchhabr5 (174))

SQLQuery4.sql - w...AD\mchhabr5 (150)) 

SQLQuery1.sql - w...AD\mchhabr5 (150)) 

SQLQuery1.sql
```

CLEANING

```
Object Explorer Details

SQLQuery5.sql - w...AD\mchhabr5 (174))

SQLQuery4.sql - w...AD\mchhabr5 (150)) 
SQLQuery1.sql - w...AD

SQLQuery4.sql - w...AD\mchhabr5 (150)) 
SQLQuery1.sql - w...AD

Nother SQLQuery1.sql - w...AD

SQLQuery1.sql - w...AD
```

BOOKING

```
Object Explorer Details

SQLQuery5.sql - w...AD\mchhabr5 (174))

SQLQuery4.sql - w...AD\mchhabr5 (150)) 
SQLQuery1.sql - w...A
```

Step 3

Error 1

Explanation

Violation of domain integrity – The error message indicates that the string or binary data was truncated, which suggests that the value being inserted into the 'UnitNum' column exceeds the defined column width.

Error 2

```
Msg 2627, Level 14, State 1, Line 171
Violation of PRMARY KEY constraint 'PK_ACTIVITY_AF1624FCC6B50E2C'. Cannot insert duplicate key in object 'dbo.ACTIVITY'. The duplicate key value is (B6). The statement has been terminated.
```

Explanation

Violation of entity integrity – This error occurs because there is an attempt to insert a duplicate value ('B6') into the primary key column of the ACTIVITY table, which must be unique for each record.

Error 3

```
Msg 547, Level 16, State 0, Line 198
The INSERT statement conflicted with the CHECK constraint "CK_HOUSEKEEP_Shift_4B422AD5". The conflict occurred in database "73614_mchhabr5", table "dbo.HOUSEKEEPER", column 'Shift'. The statement has been terminated.
```

Explanation

Violation of domain integrity – This error indicates that the value attempted to be inserted into the 'Shift' column of the HOUSEKEEPER table does not meet the conditions specified by the CHECK constraint "CK_HOUSEKEEP_Shift_4B422AD5".

Error 4

```
Mag 547, Level 16, State 0, Line 216

The INSERT statement conflicted with the FOREIGN KEY constraint "FK_GUIDE_GuideID_SIEF2864". The conflict occurred in database "73614_mchhabr5", table "dbo.EMPLOYEE", column 'EmpID' The statement has been terminated.
```

Explanation

Violation of referential integrity – This error indicates that an attempt to insert a record into a table with a foreign key reference failed because the value for the 'GuideID' does not exist in the referenced column 'EmpID' in the EMPLOYEE table.

Step 4.1

```
SQLQuery6.sql - w...AD\mchhabr5 (174)) = X SQLQuery4.sql - w...AD\mchhabr5 (150)) SQLQuery1.sql - w...AD\mchhabr5 (57))

-- Inserting you, Maherdeep Chhabra, as the manager of the Technology department, reporting to CEO Evan Neilson ('NEO1')

-- Inserting EMPLOYEE (EmpID, LName, MName, FName, Gender, Phone, Hiredate, MgrNum, Department, Salary, EType)

VALUES ('MC10', 'Chhabra', ', 'Maherdeep', 'M', '480-555-0001', '2023-01-01', 'NEO1', 'Technology', 100000, 'M');

-- Inserting four Technology department employees managed by you

-- Inserting four Technology department employees managed by you

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-- Inserting four Technology department employees managed by you

-- Insert INTO EMPLOYEE (EmpID, LName, MName, FName, Gender, Phone, Hiredate, MgrNum, Department, Salary, EType)

VALUES ('IT01', 'Smith', '', 'John', 'M', '480-555-0003', '2023-01-01', 'MC10', 'Technology', 100000, 'S');

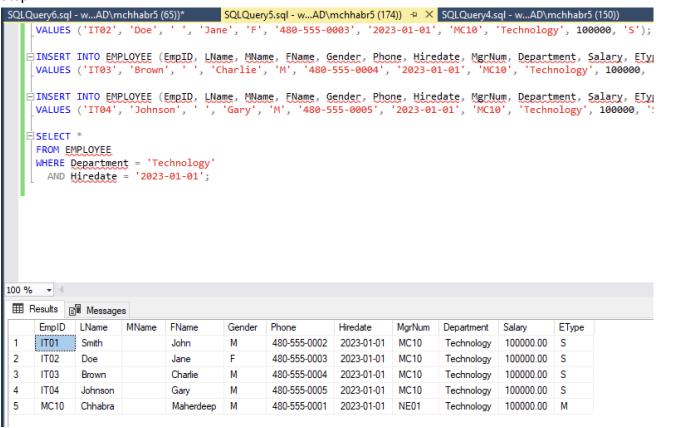
-- INSERT INTO EMPLOYEE (EmpID, LName, MName, FName, Gender, Phone, Hiredate, MgrNum, Department, Salary, EType)

VALUES ('IT03', 'Brown', '', 'Charlie', 'M', '480-555-0004', '2023-01-01', 'MC10', 'Technology', 100000, 'S');

-- INSERT INTO EMPLOYEE (EmpID, LName, MName, FName, Gender, Phone, Hiredate, MgrNum, Department, Salary, EType)

VALUES ('IT03', 'Brown', '', 'Charlie', 'M', '480-555-0004', '2023-01-01', 'MC10', 'Technology', 100000, 'S');
```

Step 4.2



Statement: SELECT *
FROM EMPLOYEE
WHERE Department = 'Technology'
AND Hiredate = '2023-01-01';

Step 5

