Errors	case accure
Cannot find the object "flight_led" because it does not exist or you do not have permissions.	try to add foreign key in flight_leg table by usling alter
Foreign key 'seat' references invalid column 'airport_code' in referencing table 'seat'.	try to add foreign key in saet table by usling alter
Foreign key 'leg_instance' references invalid column 'leg_no' in referencing table 'leg_instance'.	try to add foreign key in saet table by usling alter , in this case both of table are week entity
Column names in each table must be unique. Column name 'date' in table 'flight_leg' is specified more than once.	add the date column to the flight_leg table
There are no primary or candidate keys in the referenced table 'flight_leg' that match the referencing column list in the foreign key 'FK__leg_Instance__6754599E'.	trying to create a foreign key from leg_Instance to flight_leg, but the column(s) you're referencing in flight_leg are not part of a PRIMARY KEY or UNIQUE constraint, which is required.

Could not drop object 'leg_Instance' because it is referenced by a FOREIGN KEY constraint.	delete table already other table connect with it using foreign key
ALTER TABLE ALTER COLUMN failed because column 'Mname' does not exist in table 'Employee'.	try to change the data type of column
Column 'Departments.Dname' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.	The Departments.Dname column is used in a SELECT statement, but it is not in a GROUP BY clause and is not wrapped with an aggregate function (such as MAX, MIN, AVG, etc.).
Add nue column to exist table and inseart different value to this column based on the number of exist rows, notes that all rows get same last value	use "update" function to update the inseart the value s to the new column with out where condition
An expression of non-boolean type specified in a context where a condition is expected, near ')'.	use aggregate function with having condition to get Most Watched Movie [select sum(WH.WatchDuration) as Most_Watched_Movie , Movies.Title from WatchHistory WH join Movies on Movies.MovieID = WH.MovieID group by Movies.Title having max(WH.WatchDuration)]
Column name or number of supplied values does not match table definition.	values that add to the table ad new data do not match with the number of columns exist in the table , which has constrains that should be not null
String or binary data would be truncated in table 'hotel.dbo.branches', column 'name'. Truncated value: 'SalalahSta'.	inseart values to table

Arithmetic overflow error converting numeric to data type numeric.	try to inseart data to the table which has column with decimal data type and put the decimal range is (4,2) and inseart values of salary with more than 4 bit

Msg 208, Level 16, State 3, Line 17 Invalid object name 'UpdateBookStatus'.	try to show data of UpdateBookStatus procedure
Msg 102, Level 15, State 1, Procedure sp_UpdateBookStatus, Line 4 [Batch Start Line 164] Incorrect syntax near '@NewStatus'. Msg 137, Level 15, State 2, Procedure sp_UpdateBookStatus, Line 9 [Batch Start Line 164] Must declare the scalar variable "@NewStatus".	try to create stored procedure
Invalid column name 'A123'.	Incorrect Data Type Assignment

Msg 102, Level 15, State 1, Procedure trg_PreventBookDeletion, Line 21 [Batch Start Line 3] Incorrect syntax near 'BEGIN'.	Can not delete book dose not exist in the table
BEFORE' is not a recognized trigger.	use before update trigger , while SQL Server, which does not support BEFORE triggers

Cannot create INSTEAD OF DELETE or INSTEAD OF UPDATE TRIGGER 'trg_BeforeUpdateTrigger' on table 'books'. This is because the table has a FOREIGN KEY with cascading DELETE or UPDATE.

"I want to create a BEFORE UPDATE trigger on the parent table to ensure that any updates to it are automatically reflected in the corresponding child tables. However, an error occurs due to the existing foreign key constraint on the child tables, which includes the ON UPDATE CASCADE option.

solve	code (if it is possible)
make sure for the table name	
should add "airport_code" column to seat table	
make sure for the name of column "leg_no" is exist in the flight_leg table"	
change the name of date column as FlightLeg_Date	EXEC sp_rename 'leg_instance.date', 'date0', 'COLUMN';
make soure thate attributes og foreign key has same attributes of primay key of references table	

just rename the name of table no need to delet the column or table	
just make sure of the name of column	
Make sure put the column is not in aggregation funcation in the group by function	select count(*) as NumEmployee, emp.Dno, dep.Dname from Employee emp left join Departments dep ON emp.Dno = dep.Dnum group by emp.Dno , dep.Dname
add where condition to the update script the inseart value to specific id in the datable	UPDATE seat SET Customer_name = 'Fatema' where seat_no = 1;
use top 1 with with group by and order by and no need to use having condition	select Top 1 sum(WH.WatchDuration) as Most_Watched_Movie , Movies.Title from WatchHistory WH join Movies on Movies.MovieID = WH.MovieID group by Movies.Title
make sure new data has values for add columns, or change the constrians of unimportant column	
change the lenght of varvhar for that columm	ALTER TABLE branches ALTER COLUMN name varchar(50);

| change the constrains of salary column with different of number of bit of values, which i change from (4,2) to (8,4) | alter table staff
alter column salary decimal (8,4) |

rocedured

| Stored Procedure, it is not possible to use SELECT * FROM on stored procedures. | SELECT * FROM Book;
EXEC UpdateBookStatus @BookID = 1, @NewStatus = 'Issued';
SELECT * FROM Book |

| Incorrect table name 'Books' instead of 'Book', so check the name of table . and also check to put semicolon at the end of the UPDATE statement | |

| make sure of datatype | |

gger

| , we should make sure the id of book exist | INSTEAD OF INSERT |

| must use use an INSTEAD OF UPDATE trigger. in sql to achieve the desired behavior of a "before update" trigger in SQL Server | CREATE TRIGGER trg_BeforeUpdateBookPrice
ON books
INSTEAD OF UPDATE
AS ..... |

if still want to do this case with trigger, we must drop the ON UPDATE CASCADE constrain of foriegn key in child tables which related with the parent table .

* ALTER TABLE ChildTableName
DROP CONSTRAINT FK_ConstraintName; * ALTER TABLE ChildTableName
ADD CONSTRAINT FK_ConstraintName FOREIGN KEY (book_id)
REFERENCES book (book_id)