

case 1: Add string value to column

cuses :

add string value with size more than zsize is already defined

error:

String or binary data would be truncated in table 'LibrarySystem.dbo.staff', column 'L\_name'.  
Truncated value: 'AlBalush'.

solve:

Increase the column length in the table definition

```
ALTER TABLE staff
```

```
ALTER COLUMN L_name VARCHAR(20);
```

case 2: add values to colum

cuses:

inseart values to column represent foriegn key for the primary key in other table

error:

The INSERT statement conflicted with the FOREIGN KEY constraint  
"FK\_\_MemberBoo\_\_revie\_\_59063A47". The conflict occurred in database "LibrarySystem",  
table "dbo.reviews", column 'review\_number'.

solve:

inseart values for table whose hase primary key after that inseart values for table whose has  
foriegn key for that primary key

case 3: inseart new loan table

cuses:

there is not id exist in parent tabal

error:

The INSERT statement conflicted with the FOREIGN KEY constraint  
"FK\_\_loan\_\_member\_id\_\_5AEE82B9". The conflict occurred in database "LibrarySystem",

table "dbo.member", column 'member\_id'.

solve :

make sure that member\_id value exists

case 4: update value of specific id in specific table

cuses:

update value is not available

error:

The UPDATE statement conflicted with the CHECK constraint "chk\_genre". The conflict occurred in database "LibrarySystem", table "dbo.books", column 'genre'.

solve:

make sure update value with available values

case 6 : insert new record to the payment with amount has value 0

cuses:

insert value of amount which has constraint should value of amount above of 0

error :

The INSERT statement conflicted with the CHECK constraint "CK\_\_Payments\_\_amount\_\_52593CB8". The conflict occurred in database "LibrarySystem", table "dbo.Payments", column 'amount'.

solve :

put the value above of 0

case 7: Try inserting a review for a book that does not exist

cuses:

Inserte new record with the table hase foriegn key references to the other table, in this case the value of references to that table is do not exist

error:

The INSERT statement conflicted with the FOREIGN KEY constraint "FK\_\_MemberBoo\_\_book\_\_5812160E". The conflict occurred in database "LibrarySystem", table "dbo.books", column 'book\_id'.

solve :

make sure that foriegn key value exist in the parent attribute

case 8: Try updating a foreign key field (like MemberID in Loan) to a value that doesn't exist.

Cause:

Update foreign key value of member\_id with value dose not exist in the primary key of member\_id in parent table

Error:

The UPDATE statement conflicted with the FOREIGN KEY constraint "FK\_\_loan\_\_member\_id\_\_6EF57B66". The conflict occurred in database "LibrarySystem", table "dbo.member", column 'member\_id'.

Solve:

Make sure that the member id is exist