--CREATE PROCEDURE sp\_ShowStudentsByGroupId

--@groupId INT

--AS

--BEGIN

-- SELECT S.Firstname , S.Lastname , G.[Name]

-- FROM Students AS S

-- INNER JOIN Groups AS G

-- ON G.Id=S.Id\_Group

-- WHERE G.Id=@groupId

--END

--EXECUTE sp\_ShowStudentsByGroupId 3

--CREATE PROCEDURE sp\_TakenBooks

--@group\_name AS NVARCHAR(20)

--AS

--BEGIN

-- SELECT S.Firstname,S.Lastname,B.[Name],G.[Name]

-- FROM Students AS S

-- INNER JOIN S\_Cards AS SC

-- ON S.Id=SC.Id\_Student

-- INNER JOIN Books AS B

-- ON B.Id=SC.Id\_Book

-- INNER JOIN Groups AS G

-- ON G.Id=S.Id\_Group

-- WHERE SC.DateIn IS NULL AND G.[Name]=@group\_name

--END

EXECUTE sp\_TakenBooks '18P2'

CREATE PROCEDURE sp\_TakenBooksWithCountOutput

@group\_name AS NVARCHAR(20),

@student\_count AS INT OUTPUT

AS

BEGIN

SET NOCOUNT ON

SELECT S.Firstname,S.Lastname,B.[Name],G.[Name]

FROM Students AS S

INNER JOIN S\_Cards AS SC

ON S.Id=SC.Id\_Student

INNER JOIN Books AS B

ON B.Id=SC.Id\_Book

INNER JOIN Groups AS G

ON G.Id=S.Id\_Group

WHERE SC.DateIn IS NULL AND G.[Name]=@group\_name

SET @student\_count=@@ROWCOUNT

END

DECLARE @group AS NVARCHAR(20)

SET @group='18P2'

DECLARE @count AS INT

DECLARE @StatusCode AS INT

EXEC @StatusCode=sp\_TakenBooksWithCountOutput @group,@count OUTPUT

SELECT @StatusCode AS StatusCode

SELECT @count AS [Count]

--CREATE PROCEDURE sp\_AddColumnToTable

--@column\_name AS NVARCHAR(25),

--@table\_name AS NVARCHAR(30)

--AS

--BEGIN

-- DECLARE @statement AS NVARCHAR(300)

-- SET @statement='alter table '+@table\_name+' add '+@column\_name+' nvarchar(30)'

-- EXEC sp\_executeSql @statement

--END

--DECLARE @status AS INT = -1

--EXEC @status=sp\_AddColumnToTable 'Theme2','Books'

--PRINT @status

ALTER PROCEDURE sp\_AddNewBook

@id AS INT,

@name AS NVARCHAR(30),

@pages AS INT,

@year\_press AS INT,

@theme AS NVARCHAR(30),

@category AS NVARCHAR(30),

@author AS NVARCHAR(40),

@press AS NVARCHAR(30),

@comment AS NVARCHAR(100),

@quantity AS INT

AS

BEGIN

BEGIN TRY

BEGIN TRANSACTION AddTr

DECLARE @t\_id INT

IF(EXISTS(SELECT \* FROM Themes AS T WHERE T.[Name]=@theme))

BEGIN

SELECT @t\_id=T.Id FROM Themes AS T WHERE T.[Name]=@theme

END

ELSE

BEGIN

PRINT 'No theme in db like : '+@theme

ROLLBACK TRANSACTION AddTr

END

DECLARE @c\_id INT

IF(EXISTS(SELECT \* FROM Categories AS C WHERE C.[Name]=@category))

BEGIN

SELECT @c\_id=C.Id FROM Categories AS C WHERE C.[Name]=@category

END

ELSE

BEGIN

PRINT 'No category in db like : '+@category

ROLLBACK TRANSACTION AddTr

END

DECLARE @a\_id INT

IF(EXISTS(SELECT \* FROM Authors AS A WHERE A.FirstName=@author))

BEGIN

SELECT @a\_id=A.Id FROM Authors AS A WHERE A.FirstName=@author

END

ELSE

BEGIN

PRINT 'No Author in db with firstname : '+@author

ROLLBACK TRANSACTION AddTr

END

DECLARE @p\_id INT

IF(EXISTS(SELECT \* FROM Press AS P WHERE P.[Name]=@press))

BEGIN

SELECT @p\_id=P.Id FROM Press AS P WHERE P.[Name]=@press

END

ELSE

BEGIN

PRINT 'No Press company in db like : '+@press

ROLLBACK TRANSACTION AddTr

END

INSERT INTO Books([Id],[Name],[Pages],[YearPress],[Id\_Themes],[Id\_Category],[Id\_Author],[Id\_Press],[Comment],[Quantity])

VALUES(@id,@name,@pages,@year\_press,@t\_id,@c\_id,@a\_id,@p\_id,@comment,@quantity)

COMMIT TRANSACTION AddTr

END TRY

BEGIN CATCH

PRINT 'ERROR'

END CATCH

END

EXEC sp\_AddNewBook 112,'My New Book',150,2022,'Programming','HML','Sergey','BHV','Ela Kitab',75

--sp\_TakeBook