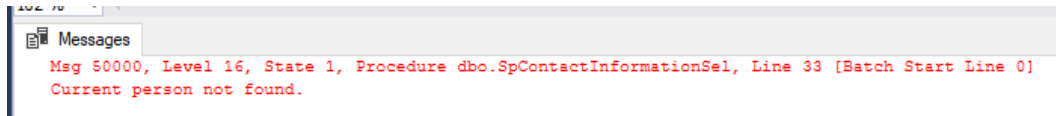


ASSIGNMENT 7

1. Show following error message if **UserId** is not passed in all of the above sp.



ANS:

```
CREATE OR ALTER PROCEDURE [dbo].[SpUserIns]
```

```
@Json NVARCHAR(MAX) OUT,
```

```
@UserId INT
```

```
AS
```

```
BEGIN
```

```
    SET NOCOUNT ON;
```

```
    --Raiserror
```

```
    If @UserId IS NULL
```

```
    BEGIN
```

```
        RAISERROR('UserId is required.', 16, 1)
```

```
    RETURN
```

```
    END
```

```
CREATE TABLE #User
```

```
(
```

```
    Id INT IDENTITY(1,1),
```

```
    UserName VARCHAR(50),
```

```
    Password VARCHAR(50),
```

```
    Hotel NVARCHAR(MAX),
```

```
    Branch NVARCHAR(MAX),
```

```
    Employee NVARCHAR(MAX),
```

```
    Customer NVARCHAR(MAX)
```

);

INSERT INTO #User

(
 UserName,
 Password,
 Hotel,
 Branch,
 Employee,
 Customer
)

SELECT

obj.userName, obj.password, obj.hotel, obj.branch, obj.employee, obj.customer

WITH(

[user] NVARCHAR(MAX) AS JSON

) as objj

Cross apply OPENJSON (objj.[User])

WITH(

userName NVARCHAR(MAX),

[password] NVARCHAR(MAX),

hotel NVARCHAR(MAX) AS JSON,

branch NVARCHAR(MAX) AS JSON,

employee NVARCHAR(MAX) AS JSON,

customer NVARCHAR(MAX) AS JSON

) as obj;

CREATE TABLE #out(

id INT IDENTITY(1,1),

UserId INT

)

INSERT INTO dbo.[User](

UserName,

[Password]

)

OUTPUT inserted.UserId INTO #out(UserId)

SELECT

u.UserName,

u.[Password]

from #User as u

LEFT JOIN dbo.[User] AS u1 ON u1.UserName = u.UserName AND u1.Password =
u.Password

WHERE u1.UserId IS NULL

ORDER BY u.Id;

SELECT @Json = (

SELECT

o.UserId AS userId,

JSON_QUERY(u.Hotel) AS hotel,

JSON_QUERY(u.Branch) AS branch,

JSON_QUERY(u.Employee) AS employee,

JSON_QUERY(u.Customer) AS customer

FROM #Out o

INNER JOIN #User AS u ON u.Id = o.Id

FOR JSON PATH

);

select @json as [user]

END;

MAIN STORED PROCEDURE

CREATE OR ALTER PROCEDURE [dbo].[SpHotelTsk]

@JSON AS VARCHAR (MAX) OUTPUT

AS

BEGIN

SET NOCOUNT ON;

BEGIN TRY

BEGIN TRANSACTION

EXEC dbo.SpUserIns @Json = @Json OUTPUT, @UserId = NULL;

select @Json as 'Output From SpUserIns and Input for SpHotelIns'

EXEC dbo.SpHotelIns @Json = @Json OUTPUT;

select @Json as 'Output From SpHotelIns and Input for SpBranchIns'

EXEC dbo.SpBranchIns @Json = @Json OUTPUT;

select @Json as 'Output From SpBranchIns and Input for SpEmployeeIns'

EXEC dbo.SpEmployeeIns @Json = @Json OUTPUT;

select @Json as 'Output From SpEmployeeIns and Input for SpCustomerIns'

EXEC dbo.SpCustomerIns @Json = @Json OUTPUT;

select @Json as 'Output From SpCustomerIns'

select 1/0

COMMIT TRANSACTION

END TRY

BEGIN CATCH

IF @@TRANCOUNT>0

```
ROLLBACK TRANSACTION;  
    THROW;  
END CATCH  
END;
```

```
EXEC dbo.SpHotelTsk @Json = '  
[  
  {  
    "user": {  
      "userName": "Priyaa",  
      "password": "678546",  
      "hotel": {  
        "hotelName": "Annnapurna",  
        "branch": {  
          "branchName": "Coomfortable Hotel",  
          "branchLocation": "Balkkhu",  
          "contact": 123356789,  
          "employee": [  
            {  
              "firstName": "Jaacky",  
              "lastName": "Joohn",  
              "employeePost": "Engineeer",  
              "employeeAddress": "2934 maiin street",  
              "employeeContact": 7685647031,  
              "employeeSalary": 41008  
            }  
          ],  
          "customer": [  
            {  
              "firstName": "Supriiya",  
              "lastName": "Bajrachaarya",
```

```
        "phoneNumber": 9087584321,  
        "customerAddress": "5687 jhoebe",  
        "email": "ss@emeil.com"  
    }  
]  
}  
}  
}  
}  
}  
];
```