## Integration Specialist Case Study

Case 1: Please find the below sample JSON which is an output from one of the enterprise systems. Develop a stored procedure to convert the JSON into tabular format as you see fit.

Name the output table as **CS\_Table\_1**

Name the Stored Procedure as **CS\_SP\_1**



Case 2: Develop a view on **CS\_Table\_1** to find the distinct Projects and its Disciplines separated by comma.

Name the view as **CS\_View\_1**

Case 3: Convert the Stored Procedure **CS\_SP\_1** into a Function **CS\_Function\_1** with JSON as an argument. Develop Stored Procedure **CS\_SP\_2** and use **CS\_Function\_1** to convert sample JSON into a temporary table. Output from **CS\_SP\_2** should be the output from the temporary table in the Stored Procedure.

Case 4: Develop Stored Procedure **CS\_SP\_3** and use Function **CS\_Function\_1** to parse the below JSON into a new table **CS\_Table\_2**.



Case 5: Develop Stored Procedure **CS\_SP\_4** to Insert and update the Disciplines and new Projects in **CS\_Table\_1** from **CS\_Table\_2**.

**Expected Output:**

2 Tables – CS\_Table\_1 and CS\_Table\_2

4 Stored Procedures – CS\_SP\_1, CS\_SP\_2, CS\_SP\_3, CS\_SP\_4

1 View – CS\_View\_1

1 Function – CS\_Function\_1