SAS DI (Data integration) Course Content

Overview of SAS DI (Data integration)

- 1. Define the architecture of the platform for SAS Business Analytics.
- 2. Describe the available interfaces.
- 3. Define the change management feature of SAS Data Integration Studio.

Creating Metadata for Source and Target Data

- 1. Define administrative tasks to be performed for SAS Data Integration Studio.2. Describe the New Library Wizard.
- 3. Use Register Tables wizard to register source data.
- 4. Use Register Tables wizard to register metadata for a Microsoft Access database table using ODBC.
- 5. Register metadata for a comma-delimited external file.
- 6. Import and Export Metadata.

Creating Metadata for Target Data and Jobs

- 1. Describe features of the New Tables wizard.
- 2. Explain SAS packages.
- 3. Explain importing and exporting of relational metadata.
- 4. Explain components of SQL Join's Designer window.
- 5. Investigate mapping and propagation.
- 6. Work with performance statistics.
- 7. Generate reports on metadata for tables and jobs.
- 8. Define Impact and Reverse Impact Analysis.

Defining Generated Transformations

- 1. Define SAS code transformation templates.
- 2. Create a custom transformation

Deploying Jobs

- 1. Explain the types of job deployment available for SAS Data Integration Studio Jobs.
- 2. Provide an overview of the scheduling process.
- 3. Explain the types of scheduling servers.
- 4. Explain the Schedule Manager in SAS Management Console.
- 5. List the applications that can be used to

Working with Transformations

- 1. Explain and work on the Extract and Summary Statistics transformation.
- 2. Explain and work on the Loop transformations.
- 3. Investigate where status handling is available.
- 4. Explain and work on the Data Validation transformation.
- 5. Explain and work on the Rank, Transpose, Append, List and Sort transformations.
- 6. Explain and work on the Apply Lookup Standardization transformation.
- 7. Define the Concept of a Checkpoint.

Working with Tables and the Table Loader Transformation

- 1.Explain reasons to use the Table Loader transformation.
- 2. Explain various load styles provided by the Table Loader transformation.
- 3. Explain various types of keys and how to define in SAS Data Integration Studio.
- 4. Explain indexes and how to define in SAS Data Integration Studio.
- 5. Explain Table Loader options for keys and indexes.

Working with Slowly Changing Dimensions

- 1. List the functions of the SCD Type 2 transformation.
- 2. Work on business keys, surrogate and retained keys.
- 3. Detect and track changes.
- 4. Explain the Lookup transformation.

create and execute stored processes. ❖ 6. Describe deployment of SAS Data Integration Studio jobs as a SAS Stored Process. ❖ 7. Import SAS code.	