

Sr. No.	Topics	Status	Date
1	History, Advantages, Usage etc		
2	Theoretical & Technical Architecture		
3	Functions of DWH		
4	Data Marts		
5	Data Mart concept		
6	Top Down Approach		
7	Bottom up Approach		
8	Data Modeling Concepts.		
9	Dimension modeling & OLTP system.		
10	Dimension & Fact		
11	Schema generation		
12	Star & Snow Flake Schema		
13	SCD concepts (Slowly changing dimension)		
14	Type-1 SCD		
15	Type-2 SCD		
16	Type-3 SCD		
17	Introduction to Talend GUI		
18	Understanding of metadata and building objects(Schema) and properties		
19	Different type of links and practical demonstration		
20	Variables in Talend(Context, Global variables)		
20	Understanding iterate and main link		
20	tSetVariable, tJava, tFileOutputDelimited component and uses		
21	Creating a sample job demonstrating context, tRowGenerator, tJava, and tFileOutputDelimited		
22	What is context group, its uses and demo		
23	tJava, tJavaRow and tJavaFlex uses and difference		
23	JSON file and its processing in Talend(tFileInputJson and tExtractJSONField)		
24	Dealing with Database components(tDBInput,tDBOutput,tDBConnection,tDBRow,tDBOutputbulk		
24	Errors and Logging in Talend		
25	tLogCatcher, tFlowMeter, tFlowMeterCatcher and tStatsCatcher to demonstrate error and logging		
26	Errors Handling and Logging at project level		
27	Understanding Links(Iterate, Main Flow)		
28	Uses of different types of links		
29	Loading context variable in job and at project level		
30	Demonstrate tContextLoad, tContextDump and project level setting to load context		
31	tMap , its uses and demonstration		
32	Demonstrate tFileList, tFileInputDelimited , tFlowToIterate and tIterateToFlow		
33	Exporting talend job to run through command prompt		
34	Demonstration of Aggregation, Sorting, Distinct and Union in Talend		
35	Error handling in Talend		
36	TAC Introduction and Job conductor		

Components	
tRowGenerator	
tJava	
tJavaRow	
tJavaFlex	
tFileInputDelimited	
tFileOutPutDelimited	
tFileJSONInput	
tExtractJSON field	
tMap	
tFlowToIterate	
tIterateToFlow	
tSetGlobalVar	
tContextLoad	
tContextDump	
tRunJob	
tDBOutput	
tFlowMeter	
tFlowMeterCatcher	
tStatsCatcher	
tLogCatcher	
tWarn	
tDie	
tDBConnection	
tCreateTable	
tSort	
tAggregateSort	
tUnit	
tFixedFlowInput	
tDBRow	
tDBInput	
tDBConnection	
tDBOutput	
tDBBulkExec	