

Date	Start Time	End Time	Concept	Component	Status
			Ab Initio Architecture		
			What is GDE		
			Co>Operating System		
			EME		
			GDE/Co>Op Installation & Configuration		
			Introduction to Components		
			Types of Sources		
			Flat File		
			Creating a dataset with/without delimiters		
			what is DML and creating DML		
			Fixed size and Delimited DMLs and the difference		
			File Extensions		
			Reading and Writing the files		
			Different ways to View the data	Dataset Components	
			Introduction to Transformations		
			Transform Components		
			Filtering Records	Filter By Expression	
			Basic terminology Port,Flow etc		
			Capturing Rejects/Errors and logs		
			Adding/Dropping Records/Columns		
			Formatting/Modifying the data		
			Examples transformations of Reformat		
			Creating multiple outputs and redirecting the output to multiple ports using output_index and indexes	Reformat	
			Different Type of Editors in Ab Initio		
			Frequently used Data Transform Functions like string concatenation,padding,filtering,regular expression matching etc.		
			Frequently used Decimal functions like decimal_pad ,decimal_strip etc		
			Some of the Date Functions		
			Other functions	Transform functions	
			Transforming multiple flows of data parallely	Multi Reformat	

			Sorting the data		
			Key Specifier Editor and different options to sort		
			Max_core parameter and its significance	Sort	
			Sorting within each group		
			Improving performance using sort within groups	Sort within group	
			Sort vs Sort within group		
			Sorting with a checkpoint	Checkpointed sort	
			Filtering Duplicates		
			Choosing First/Last/Unique record from each group		
			Different ways to filter Header and Trailer records	Dedup sorted	
			Different Types of Joins in Ab Initio		
			Joining the data sets with proper examples		
			in memory join vs disk join		
			Priorities in Transformations		
			Joining the attributes with different names		
			Filtering duplicates in join itself		
			Inner/Outer/Explicit Joins		
			Use cases on Join	Join	
			Creating and accessing shared data		
			Extracting first/last/nth matching records from lookup dataset		
			Vector variable introduction and creating and assign vector columns		
			<b>Different types of Lookup operations</b>		
			lookup lookup_match Lookup_next lookup_count and other latest version lookup functions		
			<b>Different types of lookup implementation</b>		
			Static lookup		
			Dynamic lookup(lookup_load and other functions)		
			Catalogued lookup		
			interval lookup		
			lookup using regular expressions	Lookup/Lookup Template	
			Lookup vs Join		

			Summarization in Ab Initio		
			<b>Template mode of Rollup</b>		
			Aggregation functions		
			<b>Expanded mode of Rollup</b>		
			Multi stage transformations in rollup		
			input select,initialize,rollup and finalize		
			<b>Key Methods in Rollup</b>		
			Key specifier		
			Key change function with an example		
			Key specifier vs Key change function		
			Run time behaviour of Rollup		
			use cases on Rollup	Rollup	
			Cumulative Summarization in Ab Initio		
			<b>Template mode of Scan</b>		
			Aggregation functions		
			<b>Expanded mode of Scan</b>		
			Multi stage transformations in Scan		
			input select,initialize,rollup and finalize		
			<b>Key Methods in Scan</b>		
			Key specifier		
			Key change function with an example		
			Key specifier vs Key change function		
			Run time behaviour of Scan		
			use cases on Scan	Scan	
			Summarization and cumulative summary in single component	Scan with Rollup	
			Rollup vs Scan		
			Creating vector type columns		
			Accumulation in Rollup and deprecating Denormalize	Denormalize Sorted	
			Normalizing the denormalized data		
			Generating multiple records		
			Use cases on Normalize	Normalize	
				Fuse	
				Match sorted	

				Combine	
			Other transformations in Ab Initio	Split	
			<b>Parallelism in Ab Initio</b>		
			<b>Three types Parallelism</b>		
			Pipeline Parallelism		
			Component Parallelism		
			Data Parallelism		
			<b>Multifile System in Ab Initio</b>		
			Creating multifile system in Ab Initio		
			Control file and Data file definitions		
			Examples of pipeline parallelism and component parallelism		
			<b>Different types of flows</b>		
			Straight flow,fan>in,fan>out,all-all and autoflows	Parallel processing	
			Partitioning the data		
			Replicate vs Broadcast	Replicate and Broadcast	
			Partitioning based on key	Partition by key	
			Partitioning by key and sort on same key	Partition by Key and Sort	
			Partitioning by expression	Partition by Expression	
			Partitioning by range	Partition by Range	
			Partitioning by Round Robin	Partition by Round Robin	
			Partition with load balance	Partition with load balance	
			Partitioning by percentage	Partitioning by percentage	
			<b>Departitioning</b>		
			Concatenating	Concatenate	
			Gathering the flows	Gather	
			interleave	Interleave	
			Merging flows	Merge	
			<b>Interacting with Databases</b>		
			Creating Database Configuration files		
			Extracting the data from DB		
			Different utilities to export the data		
			Parallel Extraction	Input Table	
			Loading into DB table		

			Different utilities to load into DB	Output Table	
			Upserts on DB	Update Table	
			Executing all the DDL statements	Run SQL	
			Join the files/Tables with DB		
			Join vs Join with DB	Join with DB	
			Truncating Tables	Truncate Table	
			Compressing files/flows	Compress/Gzip/Deflate	
			Uncompressing files/flows	Uncompress/Gunzip/Inflate	
			Connecting to remote servers	FTP From/SFTP From FTP To/SFTP To	
				Gather Logs	
				Meta Pivot	
			Miscellaneous Components	Redefine Format	
			Copying the flows	Replicate	
			Executing OS(Unix/Windows) Commands/Scripts	Run Program	
			Controlling the flows	Trash	
			<b>Translate Components</b>		
			Reading XML data	Read XML XML Split	
			Writing XML data	Write XML	
			Reading Excel Data	Read Excel Spreadsheet	
			Writing Excel Data	Write Excel Spreadsheet	
			Reading Comma Separated Values	Read Separated Values	
			<b>Validating data</b>	<b>Validate Components</b>	
			Checking order of records	Check Order	
			Computing Checksum	Compute Checksum	
			Comparing Checksums	Compare Checksums	
			Comparing records	Compare Records	
				Generate Records	
				Create Data	
			Generating test data	Generate Randombytes	
			Validating records	Validate Records	
			<b>Latest Versions Components</b>		

			Reading multiple files /Adhoc files	Read Multiple Files	
			Creating multiple output files	Writing Multiple Files	
			Gathering and Handling logs	Handle Logs	
			Gathering and Handling Errors	Handle Errors	
			Filtering leading records	Leading Records	
			<b>Parameterization/Reusability in Ab Initio</b>		
			Reusing the DMLs		
			Reusing transformations (xfr files)		
			Reusing components	Subgraph	
			Reusing graphs	psets	
			What is parameter set(pset)		
			Creating and executing parameter sets		
			Different types of Parameter interpretations		
			Resolving Parameter values		
			Executing shell commands/scripts from Ab Initio		
			Conditional components		
			<b>PDL (Parameter Definition Language)</b>		
			Writing DML within the parameter Definition (or) Executing functions within the parameter		
			<b>Advanced Concepts</b>		
			Conduct>IT		
			Creating plans		
			Plan tasks		
			Calling Graphs/psets/scripts from the plan		
			Making the dependency in the plans		
			Introduction to Continuous components		
			Some of the Continuous components		
			Metaprogramming High Level Overview		
			Some of the metaprogramming functions		
			<b>Other GDE Features</b>		

			Phases and Checkpoints		
			Start script and End script		
			<b>Debugging Graphs</b>		
			Intermediate files and Watchers		
			Breakpoints		
			Isolating the components		
			<b>Co&gt;Operating System Concepts</b>		
			Recap Definition		
			Co>op features and utilities		
			co>op variables		
			m_ utilities (File management commands) Frequently used m commands		
			Different ways of Running Ab Initio graph from backend		
			<b>EME</b>		
			Recap Definition		
			Features of EME		
			Locking/Unlocking/Releasing/Breaking locks on the Objects		
			Check>In and Check>Out		
			Code migration process		
			Frequently used air commands		
			<b>Ab Initio Environment</b>		
			Standard Environment		
			Private Project		
			Public Project		
			Common projects		
			Theoretical discussion on Ab Initio projects		
			Q&A or use cases based on Trainee Questions		