Day	Python	PLAN TO BECOME AZURE DATA ENGIR	Azure
Day1 Day1		Database, Datawarehouse and Data Lake Type of databases	What is Cloud? What are the different major Cloud Platforms in the market?
Day1 Day1		RDBMS Logical Schema Designing	What are laas, Paas and Saas? Pricing Model in Azure
Day1 Day2		Data modeling Star Schema	Create Account in Azure Portal(You will need ceradit card.Rs 2 will be deducted for authentication purpose and that will be returned back.)
Day2 Day2		Fact & Dimension table Normalization	Azure Portal Overview Overview of Different Services relevant to Data Engineering in Azure
Day2 Day3		Normal Forms Sequence Diagram	Understanding what is Big Data. Provision ADLS Gen2
Day3 Day4		E-R Diagram Flowcharts	Creating containers, directory and uploading files in ADLS Gen2 Provision Azure Databricks and its overview
Day4		Physical Database Design Business Constraints – Primary key, Foreign Key, Candidate Key,	Creating clusters in databricks.
Day5		Composite Key, Surrogate Key, Unique Key, Check, Default, Not Null	Wildgets Utility
Day5 Day6		Index- Clustered and Non-Clustered	Widgets Utility File System Utility, Understanding Cluster Configuration in Databricks
Day7 Day8	Revision	Download and Install SSMS, SQL Server	Databricks CLI overview
Day8 Day8		SQL commands- DDL, DML, DCL, TCL SQL commands- DDL, DML, DCL, TCL	Service Principal Mount Point
Day9		SQL commands- DDL, DML, DCL, TCL	How to create Mount Point using Azure Key Vault
Day10		Select, INSERT, Update, Delete, Merge, Create, Alter, Truncate, Rename, Grant, Revoke, Commit, Rollback, Save point, Drop	Connect ADLS Gen2 from databricks using OAuth 2.0 with an Azure service principal
Day10 Day11		Query Execution sequence/Order Clause, Operators, Predicates in SQL	Connect ADLS Gen2 from databricks using Shared access signatures (SAS)  Connect ADLS Gen2 from databricks using Account keys
Day11		LIKE, IN, LIMIT, TOP, CASE, INSTRING, SUBSTRING, AVERAGE, COUNT, MAX, MIN, SUM	Read and write data in Azure Databricks
Day12		UPPER, LOWER, EXIST, EXTRACT, Wild Card Operators Etc. SUBQUERIES - Nested Subqueries, Corelated Subqueries, Inline	Data processing in Azure Databricks
Day12		View JOINS – Self Join, Inner Join, Left Outer Join, Right Outer Join, Cross	Working with DataFrames in Azure Databricks
Day13 Day14	Revision	Join	Working with different types of file formats like CSV,Parquet,Avro,Orc
Day15 Day15		SET Operators – Union, Union All, Minus, Intersect CTE (Common Table Expression)	More dbutils commands
Day15		Window Function – Rank, Dense Rank, Row number, Lead, Lag, First Value, Last_Value, Percent Rank	Databricks Runtime
Day16 Day17		Pivot and Unpivot Rollup, Cube, Grouping Sets	Concept of Delta Table Deep Dive into Delta Tables
Day18 Day19		Views, Materialized View	Managed and Unmanaged Table in Databricks Table batch reads and writes
Day19 Day20			Table delete, update, and merge Different types of cluster in databricks
Day20 Day21	Revision		Scheduling jobs in Databricks Notebook
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Day22 Day22	Basics of Python programming, working with Python interpreter identifiers keywords constants variables,		Provisioning of Azure Key Vault How to securely store Keys and Password in Azure Key-Vault
Day22 Day23	types of operators precedence of operators data types mutable and immutable data types statements		How to access Keys and Password for Azure Key-Vault How to connect AKV from ADB(Azure Databricks) and read the secrets of AKV
Day23 Day24	expressions evaluation and comments input and output statements data type conversion		Secret Scope and databricks utility of secret scope How to connect AKV from ADF(Azure Data Factory) and read the secrets of AKV.
Dav AF	chapter (de pictor) and complision (forestor)		Azure Data Lake Gen2(ADLS Gen2)
Day25 Day25	selection (decision) and repetition (iteration)  Selection: if, if-else, and nested if statement, indentation Repetition: for, while, and nested loops, break, continue		Blob Storage Azure DataLake Gen1
Day26 Day26	Chapter 3: Functions Introduction to		Azure DataLake Gen.2 Installation of Azure Storage Explorer and connection with ADLS Gen.2
Day27 Day27			Difference between Blob Storage,ADLS Gen1 and ADLS Gen2 How do we store data in ADLS
Day27 Day27	Introduction to functions		How to read/write data in ADLS Gen2 from databricks
Day29	Revision need of functions User defined functions: passing arguments to a function, returning values from functions,		
Day29 Day30	scope of variables Standard library:, using built-in functions,importing modules-math, random, statistics, creating and importing user defined module		ETL CONCEPT
Day31 Day32	Periods Strings: initializing strings and accessing strings string operations built-in functions for string manipulation string traversal		Data Warehouse Concept Difference between Database,Data Warehouse and Data Lake
Day34 Day33	Periods Lists: list operations - creating, initializing, traversing and manipulating lists list methods and built-in functions nested lists		OLAP vs OLTP systems Concept Fact Table and Dimension Table
Day33 Day35 Day36	Periods List: list operations - creating, initializing, traversing and manipulating lists list methods and built-in functions nested lists methods and built-in functions nested lists.  Servicion  It is a argument to a function		OLAP vs OLTP systems Concept
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	Period Lists in departions or creating, installings travering and manipulating lists list methods and built in functions more interested into a significant content of function.  The content of a function of the content of the conte		CAAP NO LET systems Concept  fast false and Dimension False  Data Modelling Star Schema vs Snowflake Schema Concept  Chas Modelling Star Schema vs Snowflake Schema Concept  Addition of Star Schema vs Snowflake Schema Concept  Addition of Star Schema vs Snowflake Schema Concept  Addition of Star Schema vs Snowflake Schema Concept  Schema Concept Prepark concepts  Transformation Schema Schema  Star Schema Vs Schema vs Schema Concepts  Transformation Schema Schema Concepts  Schema Schema Schema Schema Concepts  Schema Schema Schema Schema Schema Concepts  Transformation Schema Schema Schema Schema Concepts  Transformation Schema Schema Schema Schema Concepts  Transformation Schema S
Day 13	Period Lists in departions or creating installating traversing and manipulating lists list methods and built in functions maked to creating installating traversing and manipulating lists list methods and built in functions, nested to provide a programment on functions, most of the programment of functions (programment, operations on tudes, tudes methods and built in functions, nested to programment, operations included to the programment of the p		CAP-Ps OL Psystemic Concept  Act Table and Dismonstration Table  Data Modelling Star Schema vi Scowillabe Schema Concept  The Control of Control of Control of Concept  Star Machinesture of Spark  30.5 Staps and Table in Spark  Sout ACCU concepts Psycark concepts  Sout ACCU concepts Psycark concepts  Sout ACCU concepts Psycark concepts  Sout ACCU concepts Accurate the Control of Cont