

100 DAY SELF STUDY MASTER PLAN TO BECOME AZURE DATA ENGINEER(ARUN KUMAR)			
Day	Python	SQL	Azure
Day1		Database, Datawarehouse and Data Lake	What is Cloud?
Day2		Types of databases	What are the different major Cloud Platforms in the market?
Day3		HDFS	What are Data Pools and SaaS?
Day4		Logical Schema Designing	Pricing Model in Azure
Day5		Data modeling	
Day6		Star Schema	Create Account in Azure Portal(You will need credit card Rs 2 will be deducted for authentication purpose and that will be returned back.)
Day7		Fact & Dimension table	Azure Portal Overview
Day8		Normalization	Overview of Different Services relevant to Data Engineering in Azure
Day9		Normal Forms	Understanding what is Big Data
Day10		Sequence Diagram	Provision ADLS Gen2
Day11		E-R Diagram	Creating containers, directory and uploading files in ADLS Gen2
Day12		Flowcharts	Provision Azure Databricks and its overview
Day13		Physical Database Design	Creating clusters in databricks.
Day14		Business Constraints – Primary key, Foreign Key, Candidate Key, Composite Key, Surrogate Key, Unique Key, Check, Default, Not null	
Day15		Index- Clustered and Non-Clustered	Widgets Utility
Day16			Widgets Utility
Day17	Revision		File System Utility Understanding Cluster Configuration in Databricks
Day18		Download and Install SSMS, SQL Server	Databricks CLI overview
Day19		SQL commands- DDL, DML, DCL, TCL	Kerberos Principal
Day20		SQL commands- DDL, DML, DCL, TCL	Mount Point
Day21		SQL commands- DDL, DML, DCL, TCL	How to create Mount Point using Azure Key Vault
Day22		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
Day23		Query Restriction- Restriction/Order	Connect ADLS Gen2 from databricks using Shared access signatures (SAS)
Day24		Clause, Operators, Predicate in SQL	Connect ADLS Gen2 from databricks using Account keys
Day25		LIKE, IN, LIMIT, TOP, CASE, INSTR, SUBSTRING, AVERAGE, COUNT, MAX, MIN, SUM	Read and write data in Azure Databricks
Day26		UPPER, LOWER, EXIST, EXTRACT, Wild Card Operators Etc.	Data processing in Azure Databricks
Day27		SUBQUERIES – Nested Subqueries, Correlated Subqueries, Inline View	Working with DataFrames in Azure Databricks
Day28		JOINs – Self Join, Inner Join, Left Outer Join, Right Outer Join, Cross Join	Working with different types of file formats like CSV, Parquet, Avro, Orc
Day29	Revision		
Day30		SET Operators – Union, Union All, Minus, Intersect	
Day31		CTE (Common Table Expression)	More dbutils commands
Day32		Window Function – Rank, Dense Rank, Row number, Lead, Lag, First Value, Last Value, Percent Rank	Databricks Runtime
Day33		Pivot and Unpivot	Concept of Delta Table
Day34		Rollup, Cube, Grouping Sets	Deep Dive into Delta Tables
Day35		Views, Materialized View	Managed and Unmanaged Table in Databricks
Day36			Table batch reads and writes
Day37			Table delete, update, and merge
Day38			Different types of cluster in databricks
Day39			Scheduling jobs in Databricks Notebook
Day40	Revision		
Day41			
Day42			Azure Key Vault
Day43			Provisioning of Azure Key Vault
Day44			How to securely store Keys and Password in Azure Key Vault
Day45			How to access Keys and Password for Azure Key Vault
Day46			How to connect ANV from ADI(Azure Databricks) and read the secrets of ANV
Day47			Secret Scope and databricks utility of secret scope
Day48			How to connect ANV from ADI(Azure Data Factory) and read the secrets of ANV
Day49			
Day50			Azure Data Lake Gen2(ADLS Gen2)
Day51			Blob Storage
Day52			Azure Data Lake Gen1
Day53			Azure Data Lake Gen2
Day54			Installation of Azure Storage Explorer and connection with ADLS Gen2
Day55			Difference between Blob Storage, ADLS Gen1 and ADLS Gen2
Day56			How do we store data in ADLS
Day57			How to read/write data in ADLS Gen2 from databricks
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GET SET READY TO GIVE INTERVIEW!! ALL THE BEST!!!

TIPS:
1.Resume preparation is a continuous process.It will take multiple iteration of resume building to build a robust resume.
2.Consider each failed interview as the mock interview and prepare the set of question you were not able to answer before sitting in the next interview.
3.Keep on practicing different sets of question in Python and SQL during the entire process of learning from any portal.
4.Continuous practice and revision is the key to learn technology and crack interviews.
5)That day will never come e