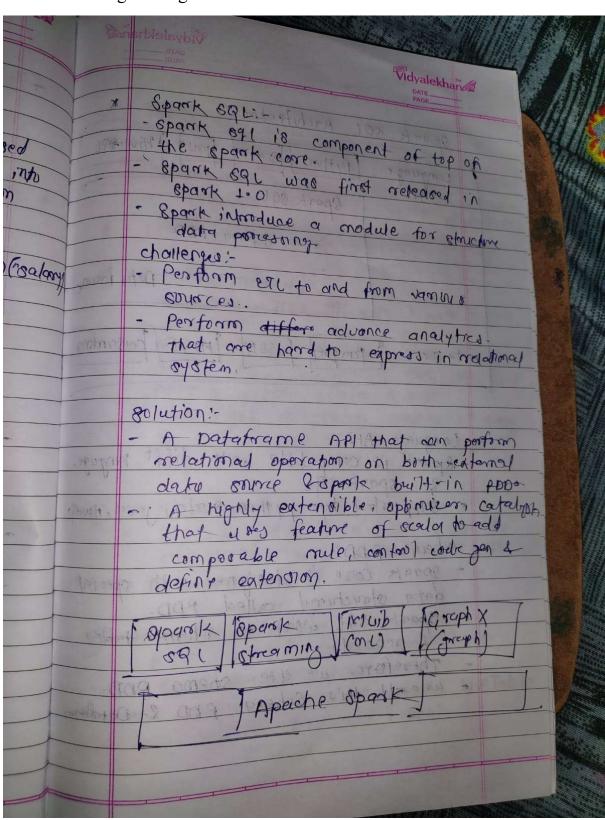
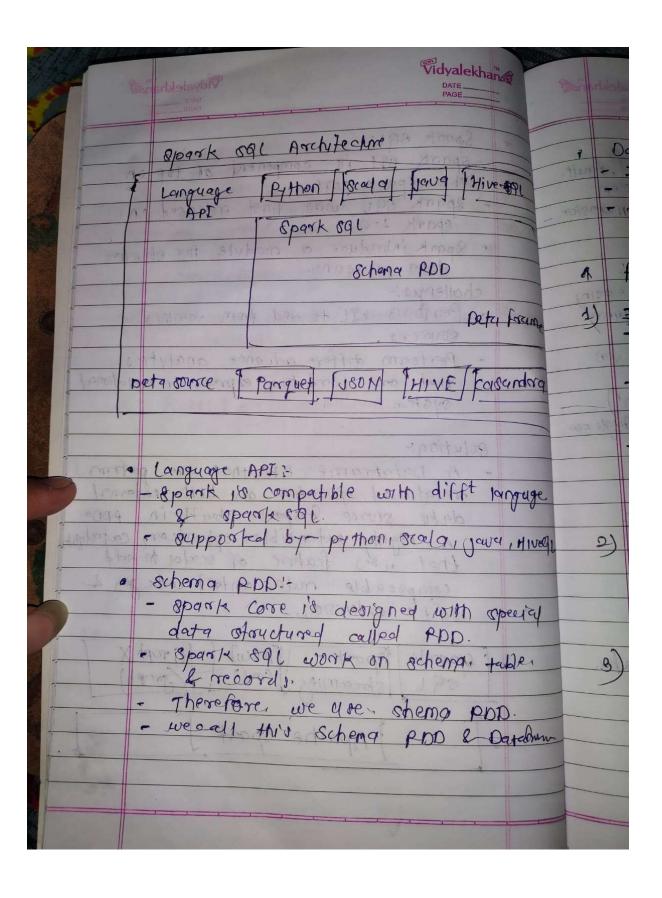
Name: Krushnakumar Patle

Email: krishnapatle128@gmail.com

Batch: Data Engineering Batch-1





tra facing	1	Data source. - It is text file. Awas file etc. - Data source for spank sql is differ HIVE tables. & casandra detabase features of spank sql: Integrated: - Seamlessly Mix sql augmes a with spens
languge.	2)	- seamlesty mix equipmes with spart program: - spark equipment for query staucted data as a pod in spark; with integrated Apic in python, scalar & Jova. - This tight integration mates it easy to min equipment alongside analytical alg. Unified data accepts: - Load & query data from a variety of sounce. The Apache Hive table
beer af	3)	Promplet Hive Compatibility: - Run unmodified Hive quenes on - Run unmodified Hive quenes on - existing warehouse. ex. OFLECT COUNT (*) FROM hive Jab 1e Little hive-udf (data) 14HERE hive-udf (data)

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		Deefer Burge	
	9s	Apache hive is a distributed, fault	
	A JOSE	tolerant data warehouse eystem	557
		that enables analytics at a massive	
	- 04 00 of	logacile 10700 & realdest 2014	115
	4		-
	** *	User-Defined functions (UDF):-	
	a	code & mooke it from thre query.	10
		code & Ynvoke it from Hive guerry	
	1 4000	- UDF (Plain UDF)	+
#	- W	· Input: oingle row; out put: cingle now.	+
	with 6	THE COURT OF THE C	11
	#23/30 P 1	- Upaf (Usordefme Aggreget fun) - Inspet: multiple nows, output: single now	9
		2 stoped. Multiple was, output, single now	D
. 7	- Tookella	AN OUR CAL ACENTED OF STANKE ON	
		Standard Connectivity:	
	-	- connect through JDBC or ODBC	
		ODISC OF TORK	
		Scalability:	
	1 1 1 1 2 1 1	· voe same engine for both	
	5	interactive e long queries.	
	-	- DO not wormy about your a	
		difft engine for list you	
	00	difft engine for historical data	X
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fault. marive voo	Sparity pro (Redellert Distributed Detroet) - ROD is fundamental data structure of gont - It is an immutable distributed collection of objects that can be stored in memory or disk a more a cluster - Each dataset in RDD is divided into logical partitions which may be computed on difft nodes of the cluster - Automatical rebuilt on failure, - PDDs can certain any type of pitan, dava, or scala objects. - Readonly, partitioned collection of scale - created through deterministic operation on either data on stable estorage or others RDDs. - PDD is fault-tolerant collection of element that can be operated on in parallel. - Two ways to create PDD:- () parallelizing; - Referencing a dataset in an
afer. A	Preferencing a dataset in an external otorage oyckem external otorage oyckem - A distributed collection of data: which is organized into named columns. - Dataframe can be constructed from an array of difft sources such as the table; structure pata files.

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	Dataframe. Data i'd ong	anised into named column	
		ributed collection of del	
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