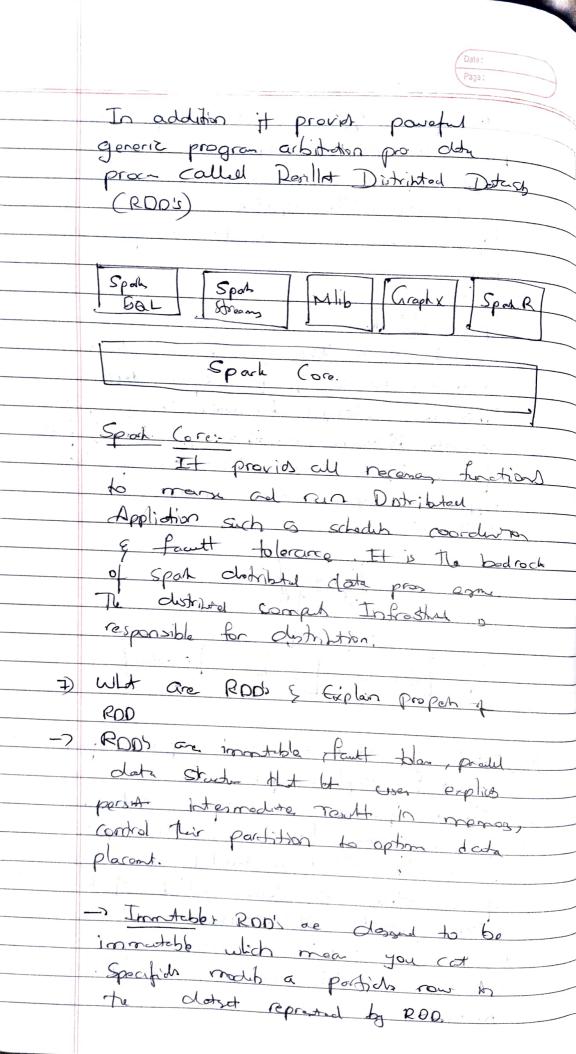
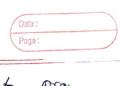


	Date: Page:
	Linear prove of hy data sol, Hadoop very Reduce allow parallel proven of hy amount of data
	Tool uh Spark is Good for:
	-> Fost data Proces  -> Itendia proces  -> Real time proces  -> Machine Learning  -> Join Datas
4>	How Spark man to Chit C O
-	volume of data officient of a ill
\(\frac{1}{\lambda}\)	This disdributed system of typicals  deployed puts a collection of machine  which is collection of machine
	Clust , to efficient a intellight man a collection
	of Machie, cluter intelless man a collection
	Driver.
	Spa Serion Clet Wan.
	Crant Hotel In (1)
5)	Write a rote on Spak drin &
$\rightarrow$	Example driver:

A spak application common of to por . The first is application data proces logic expand USA spar API's on other Spok driver. The Application data Prom logic ca be simple a few lis of code to Spark Excutors " It is a JVM proces and is excluse allocated to a Specific Spot Application. This us design to avoid shory spot exects between mutiple application Lifetime of a Sport exector is The liter of The Application Spark follows mater-slave Exestor Exestor. a) Write a Short rate on Spak unified Steel & explain Spok core Sport provide an inified data proces orgine known a the Spoh stack. This stack is built on top of a strong foundation called spot core which provide all the necessary functions to many and run distributed application such a Schooling Coordination & fault



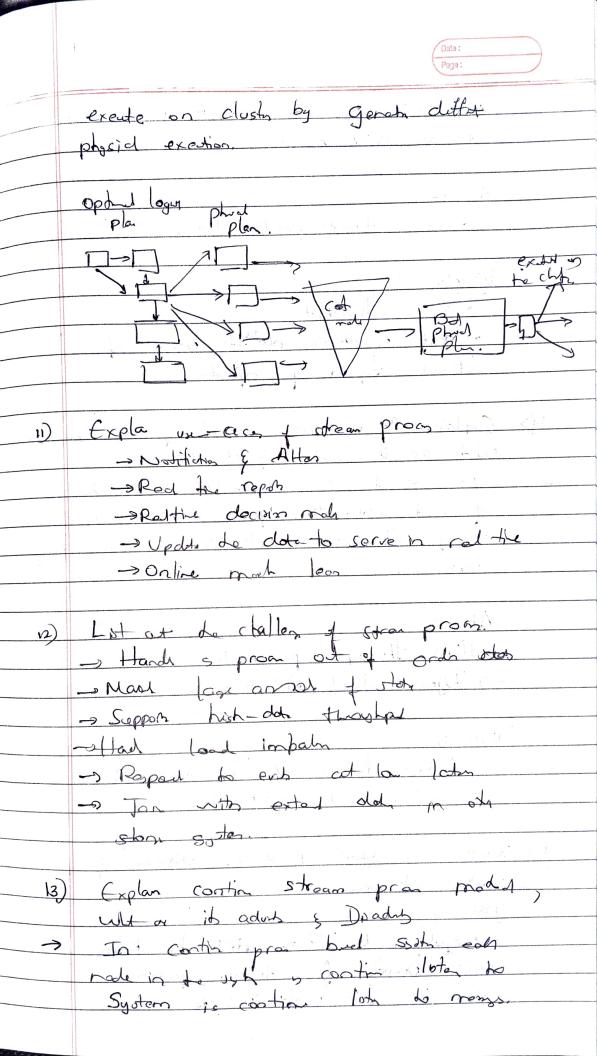


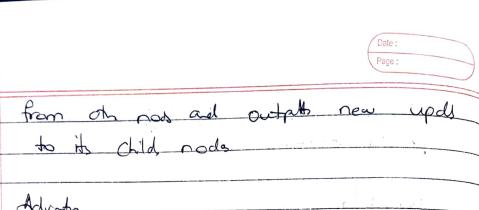
-> Faut tolorati- The ability to pray muliple doubt in posely would regul a close of Mache to hat & execute de comptables (gic. Sport autob tash can of Hards Le faction. 1TB file into sevent out and exact an ech chill in a parallalized Manner JIn Memory Computation: - RDD pour Le Spood bourdan by introduce the ability to peloon in-memory computation a) What are transfortion & Action? In Spok to good data structs are immtable, so if we not to portan any char the char are defaut by the transforter.

The actions are the trigs to that he transformations. The Radiobsky, map Alating an he transportes at collect, show as to a) What is large evalution? Lazy evaluation mags Let Spok would entil to very lot mont to execte to grap of competition Intender. In Spote, when you expr some of entron you build up a plan of transfolion but you would like to apply to your Soredite



By waits until Le lot mind to exerte to code, Spah compile to plan from your raw dotofrance trasportion to a strate phoist plan The will run & efficiety What is logical & Physical plans and explain how structured API's exerte in Spark Logical Plannips The fit phe of exection is ment to take user code and correct it ito a logich plan. The logich plan only reports a set of about trapan That don't refer to the examp or drivers, its purely to convert the user set of expressions into the most optimized version Code logid ph 1 Reclud logid optimal (otulog) Physica Planost Atter cred an optional (logid plan) Spok tren beg phouse planne prom Phoial plan often called as a sph plan specifs how the logicy plan will





\* offer bust possble later Disadus

\* buen thoughput

\* load balance defficit bean of

fixed topology toperton 12 Explain Micro-Batch Grean pros mobile

ult are its advid & chading > It wait to accumble soul back of inst data then proposed bath in paralle using a distributed collection of

Advatus

-> High thoughpt per rade

-> Dynamic load Balancy

Disadutiones du to wait de accounte a micro batch

Write a Short rote on Diffreen & Distream:

-> Spot orgal Difteen API h been used broods for stream proa Singe it first realn in 2012

