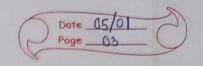
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TUTORIAL 1

	(Joseph Could be a control of the co
1>	Define the following terms and the state of the following terms and the state of th
	Autosimple inchargelax prom
	is Distributed System
	Reliability philosophon and philosophon states and the second sec
117 216	Scalability Mandant
	About 110000 stopping Good 1 Could
2>	[10] [10] [10] [10] [10] [10] [10] [10]
201	Google with south - google well arrows (data et
3.>	explain different types of transparencies in distributed system.
	Prince
1.>	
pour	in A distribution system is a collection of independent
17 24	computers, interconnected via network to perform a certain
	maticapitaskas of span I . will worrow has
	Distributed systems reduce the risks:
no to	Single point of failure
	Balsking reliability 11 his
.761	appel & Samfault of tolerancel of XIAMIT hims
	Endo Julia Gent Endur Oblini
(4)	(ii) Reliability lofd System implies systems Should continously
	hod a minor work even in a case of minor
0 1/31	failure of a node then only system is said to
	be reliable J
011	cinis scalability of system implies that addition of nade
5 /h	to existing network is easy
	process, and + (without loss of performance)
	Ability to handle increased workload by repetitively applying cast effective strategy for extending system
	applying cast effective strategy for extending system
	capacity
	DSize - 1 no of west & resource
=	@ Geographically 1 " " from different location

87	(Scale)
	Administratevely - Easy to manage even if it spons to
	many independent organization.
	material haluditaril in
2.7	Distribute computing -> functionality which utilizes many
	different computers to complete its function
mali	Real Life Example: Google Search
	Goodle web search - google uses servers (data centers
malan	to execute its across world)
D	processing.
4	1) There are set of servers responsible for fetching pages
aliston n	from the internet and crawling through various pages
	and various links. [Page Rank Algorithm]
	(2) These are set of servery capich 'read' for the text on
	Control of the state of the sta
	pages and try to categorize the content - Build INDEX and create Summary & Keywords
	(Search Engine optimization)
zioadao)	3) There are set of servers which take your input QUERY
YAYAA	, work out what your question is about,
	search the indexed finding these pages which are
	a match.
	W there are all the
	Web pages and display the result in relevant of
	ording and display the result in rains
and he	Multi-server Architecture



3.>	Transparency:	Important	Croal	of	Dichi	buted	system	is
	' ()	to Hide					V	
		resources	are	physic	alle	distri	buted	across
	multiple compu			10	0			

A distributed system that is capable of presenting itself to users and applications such that it is only to single computer system is called transparent.

Transparency	Description
(1) Access	Hide Data Representation
uii) Migration	move place information
(V) Replication	Hide the resource is replication
(VI) Concurrency Conultiple users)	Shared data bases access
(vii) Tailure	Hide fact about resource