Day--01

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GIT INTORDUCTION

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Git

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Git is also called as VCS

VCS means version control system

its allows developers to work simultaneosly

Does not allow over writing each others change

its maintain a history of every version.....version id its called version control system

Developer write the code is called source code

source code write developers with launguage java

after writing the code store the code,

change the code

delete the code we use source code management

source code management

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a developer has a written code in java,python,etc...languages

suppose developer-----writing the code

modifying the code

deleting code

update code is called source code management

we use tools in the market

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the purpose of source code management tool is

store our source code

ex:github,gitlab,big bucket,svn

why use scm tools

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backup the code

application working properly

unexpectedly application is not working with new update

so i want older version of source code to

then go to old source code taken as versions wise

tell the imformation whose write the code

modify the code

delete the code

time$ Date also.....

Background of GIT

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1973-----sccm----source code control system

RCM---Revision control system

CVS----concurrent version s system

2000-----SVN----subversion

2005------GIT-----Global Imformation Tracker

in 2005 linus torvald intorduced by git

before he intorduced LINUX OS

using FSF--free software foundaition

in 2008 github---Microsoft company

its free plans$commercial also

in 2008/2009 --intorduced----Bit Bucket---Atlassian company

its also free and commercial also

in 2014-----Gitlab------

its free and commercial

Types of VCS

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there are two types

1.CVCS--centralized version control system--------SVN

2.DVCS--Distributed version control system-------GIT

present vcs used git before used svn

SVN

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its means subversion

its a client server architecture

client----Dev1,Dev2,Dev3

server----Linux server----github server

its single point failure

in this developers Login to server directly

suppose server is failure data also lose

hard disk is corrupted data also lose

its commercial

GIT

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its means GLobal imformation Tracker

its also client server architecture

client----gitbash-linux server(Dev1,Dev2,Dev3)

server---github server

in thes develepers write the code in local machines

ex:gitbash

then save and push to github

github also installed in linux servers

developers clone the code to github server

if any case server damage data is safe

hard disk also corrupted data is safe

Advantages Of Git

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its free

and commercial

open source

use anywhere

any platform Linux,windows



