Day 2 Agenda

1) Git
2) BitBucket (Github)
3) JIRA
4) Jenkins

Git –

What – Opensource Distributed Version Control System (Linus Torvalds)

Why – For Maintaining, tracking changes to all the source code.

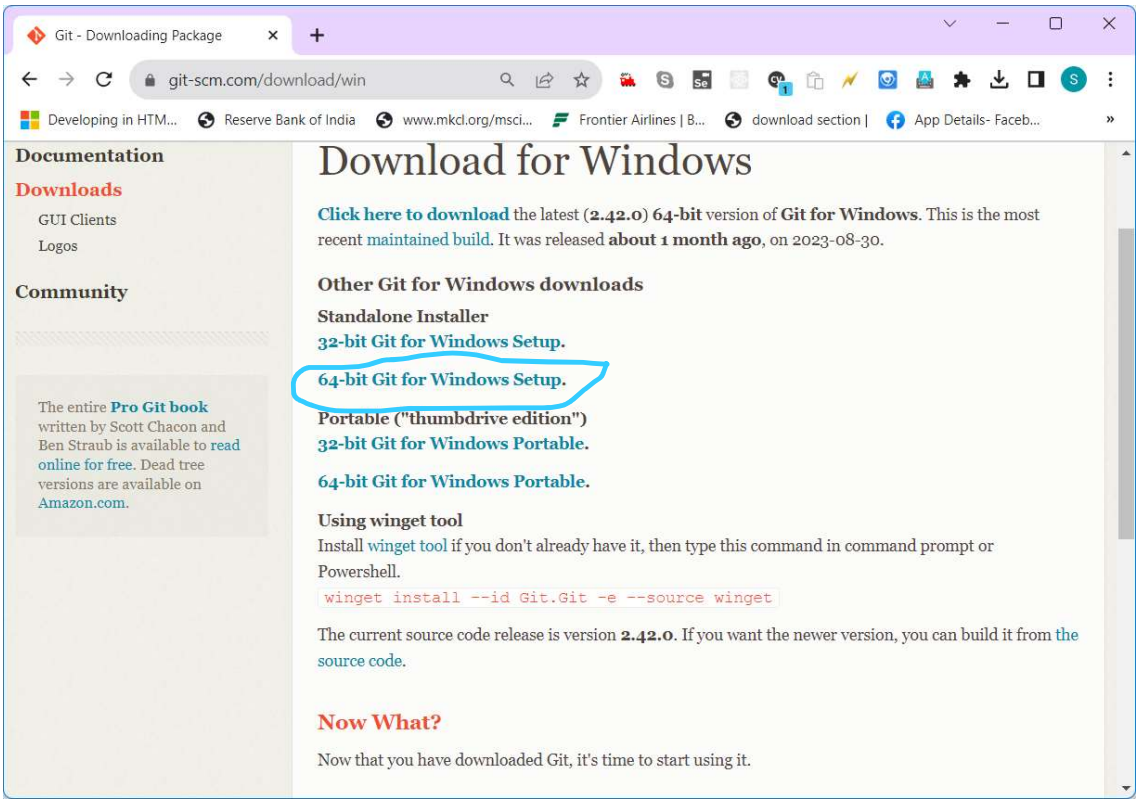
How -

Version Control System – SVN, Perforce, Clearcase

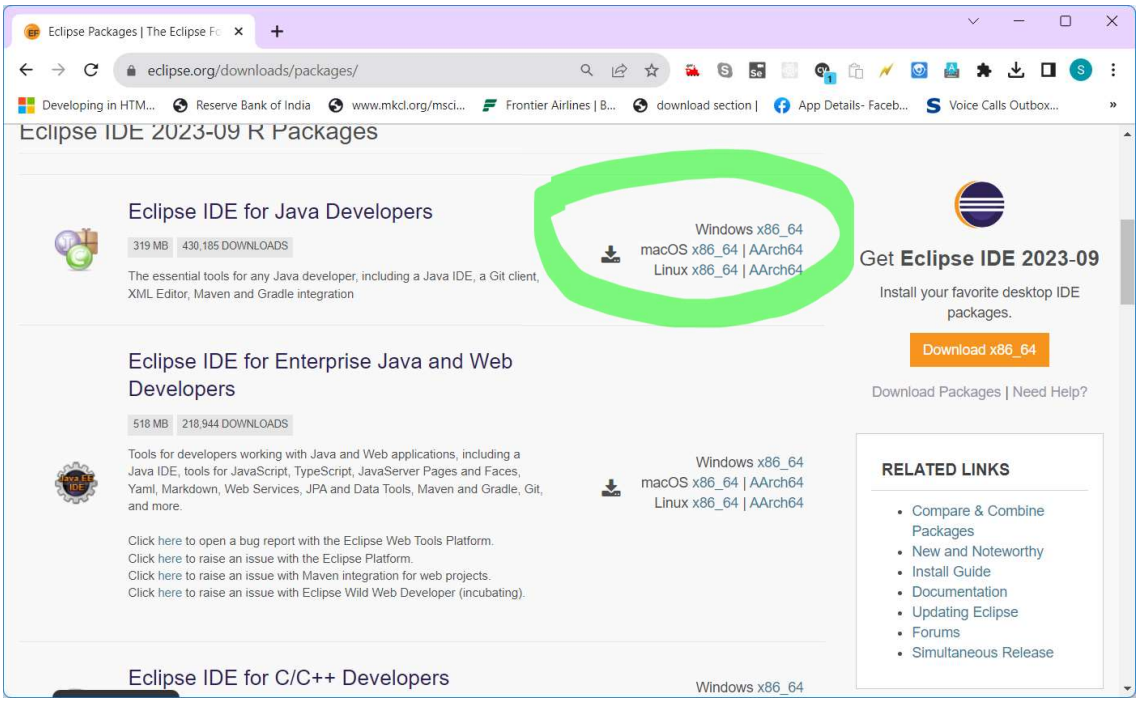
Repository – Local Repo, Remote Repo.

Download and install Git latest version from the official site

https://git-scm.com/download/win

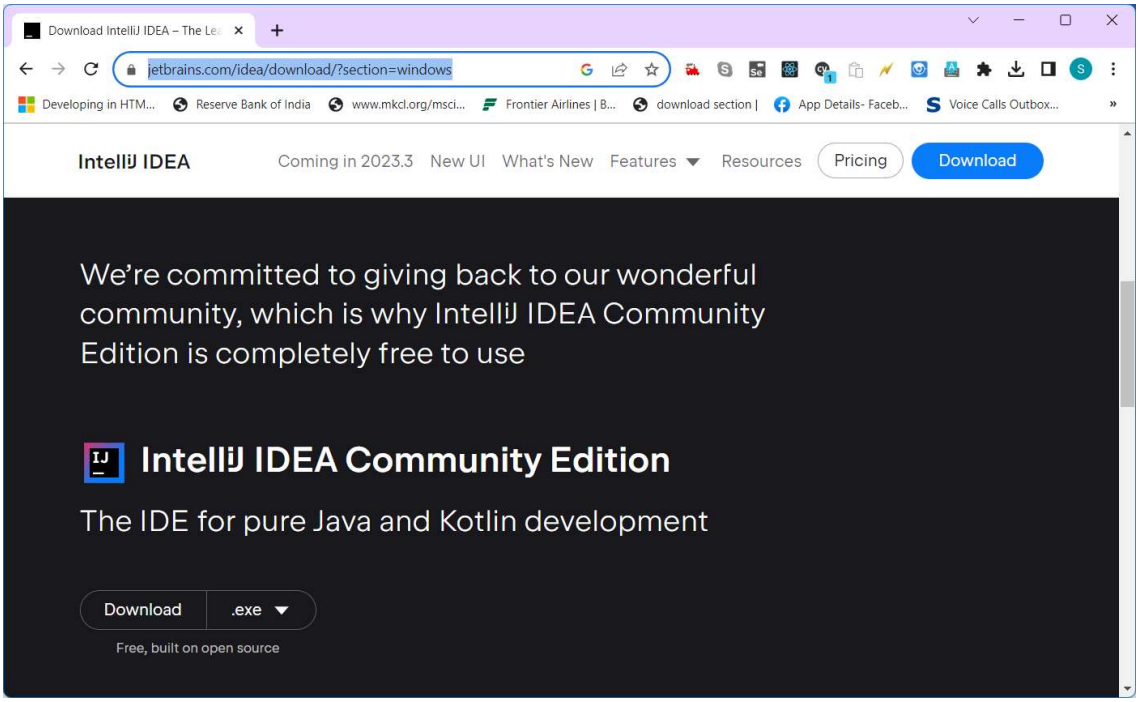


Download and Install Eclipse IDE from official site
https://www.eclipse.org/downloads/packages/



Download and Install IntelliJ IDEA from official Site

https://www.jetbrains.com/idea/download/?section=windows



Git –

Git Bash = Git CLI (Command Line Interface)

GUI – Graphical User Interface

CUI – Character User Interface

Local Repository – Folder in the File system (git init)

Git init

Git add .

Git status

Git commit -m “first commit”

Git log

Git config -g user.name “sivakumar os”

Git config -g user.email syskantechnosoft@gmail.com

```
git remote add origin https://github.com/syskantechnosoft/sapient2023.git
```

```
git push -u origin master
```

Jenkins

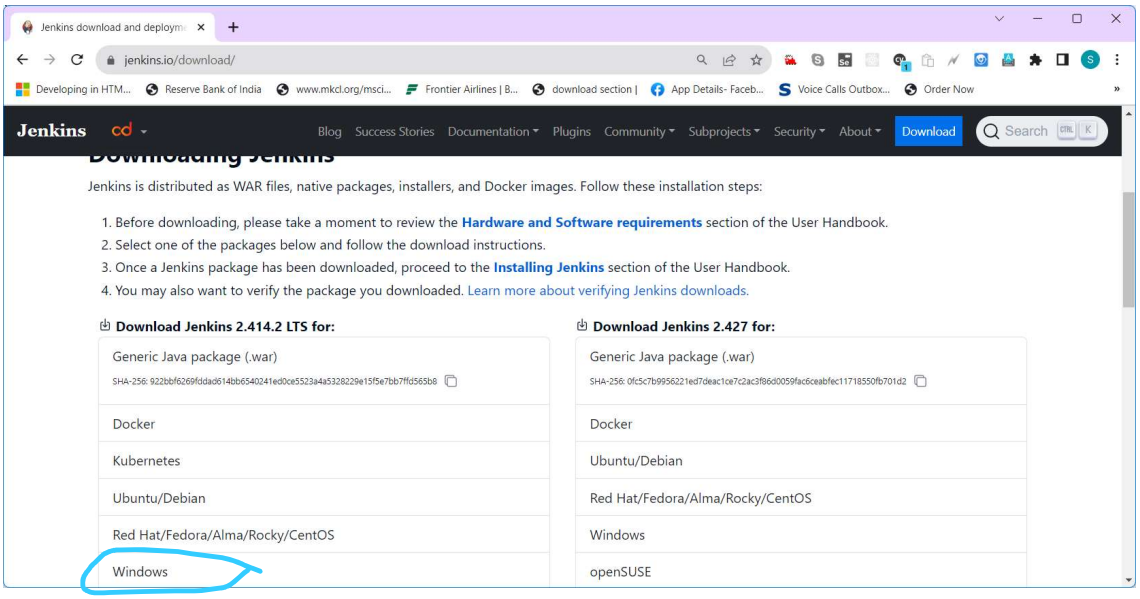
CI - Continuous Integration

CD – Continuous Deployment/delivery

DevOps – Development + Operations (Running the code in production Environment – Config changes)

Download Jenkins from official site

https://www.jenkins.io/download/



Jenkins Automation Server

Web Application (Client – Server Application) Client- Server Tech [Request/Response]

Creating a Pipeline

CI/CD Tools

TDD – Test Driven Development (

BDD – Behaviour Driven Development

Cloud Types

PaaS – Platform as a Service

IaaS – Infrastructure as a Service (Providing hardwares alone) – EC2

SaaS – Software as a Service