**Day 1 : 01-09-2022**

**Java Full stack**

Phase 1

Agile

Git

Core Java

Basic Programming

OOPs

Exception Handling

Multi threading : Overview

File handling

Collection Framework

Data Structure

Java 8 features

Phase 1 end project

Phase 2 : web application

Database – MySQL

Maven tool build

Jdbc

ORM : Hibernate tool

JEE : Java Enterprise Edition

Servlet

JSP

EJB

Phase 2 end project

Phase 3 : Spring Framework (backend technologies)

Spring core, context, mvc, dao, spring orm (jpa), spring rest, spring boot, spring micro service, spring data, into spring security etc.

Unit testing – Junit 5

Phase 3 end project.

Phase 4 : (frontend technologies)

Html

Css

Bootstrap

JavaScript

Adv Java

React JS

Phase 4 end project

Phase 5 : testing and deployment

TestNG

Selenium tool

Docker

CI and CD Jenkin

Kubernetes

AWS Overview

S3, EC2 instance etc

Phase 5 end project

Capstone project

Rest API 🡪JSON

Front end (React JS) backend (Spring boot) MySQL

Git : git is distributed sub version control which help to keep the track or record the execution of the application or program or software.

First create the folder : Repository

Then create the file inside a folder abc.txt

Then write some message inside abc.txt file

To make repository folder as git local repository

Please open terminal ie cmd, unix terminal or git bash terminal

git --version

git init : This command is use to make local repository as git local repository

git status : This command is use to check the current status of local repository

git add filename this command is use to add the file to staging area.

git add . This command is use to add all files or folder present in current location in staging area.

git commit –m “commit message”; you get error message if you are doing first time.

Remote repository

Git hub

Git lab

Code commit

Etc

First time we need to set email id and name for git terminal

git config --global user.email “[akash300383@gmail.com](mailto:akash300383@gmail.com)”

git config --global user.name “akash”

git branch : git branch is like pointer which hold more than one commit details.

Whenever we created local repository by default git provided default branch it may be main or master.

To check default branch name we can run the command as

git branch

creating user defined branch

git branch branchname

git checkout branchname

git merge branchname : this command to add user defined branch changes in current branch

git branch –D branchName : this command is use to delete local branch

git branch -M main : this command is use to rename branch name

git remote add origin <https://github.com/Kaleakash/testapp.git>

git remote add origin <https://token@github.com/username/repository.git>

This command is use to link local repository with remote repository

git push -u origin main

git push –u origin branchname

git hub provided token base authentication to push the data in remote repository.

Generating token

Right icon click on setting

Then left panel select developer setting option

Personal access token

Token classic

Click on generate new token option



After click generate the token



git remote remove origin This command is use to remove remote repository

link from local repository.