Program-1

1] create a folder in a Desktop

2] Inside that folder open the git bash

3] **git init**

4] **git config --global user.name "username"**

5] **git config --global user.email "email"**

6] **git config --global --list** (it will Display user name and password If not go to credential Manager windows credentials remove the other user id present there)

7] **git add .**

8] **git status**

9] **git commit -m "v1"** (keyword to save the code) message version. Create versions with editing in the Notepad

10] **git log** || show all the version with commit id.

11] **git reset --hard "commit hash code"** paste it here It will show you the data of the version which you have stored at particular version data

12] **git push --set -u "repo url" -f**

Program-2

1] create a folder

2] open that folder in vs code

3] Create a new file

4] Inside the file Print("Mysore")

5] open and save it in a .py (Python)

6] open a new terminal

7] commands to follow

8] **git init**

9] **git status**

10] **git add .**

11] **git commit -m "test.py added"**

12] **git branch host1**

13] **git branch**

14] **git branch host2**

15] **git branch**

16] **git checkout host1** (Switched to host1)

17] add or delete one line in vs code

18]Print("VVCE")

19] **git add .**

20] **git commit -m "VVCE is added"**

21] **git checkout host2** ("switched to host 2")

22] **git add .**

23] again the change or add the code print("vvce!")

24] **git add .**

25] **git commit -m "vvce is added"** (vvce is added)

26] **git checkout master**

27] **git merge host1**

28] **git merge host2**

29] **git diff**

30] **git clone "repo url" main**

Program 3 (B1)

JAVA

1] Create a folder

2] open in VS code

3] Create a new file **Dockerfile**

4] Inside Dockerfile

    FROM openjdk

    WORKDIR /app

    COPY ./app

    RUN javac Sample.java

    CMD ["java","Sample"]

5] Then create a Java file as Sample.java

Public class Sample {

    Public Static void main(String[] args) {

    System.out.println("Test");

    }

    }

6] Then in CMD: Type

    javac Sample.java

    java Sample.java

7] **docker build -t name1**

8] in docker desktop got to **images** there you will find **name1** click on run
-> the java program will run

HTML

9] Name The the Docker and the Java file replaced with the HTML

10] Docker file:

FROM httpd:latest

COPY index.html /usr/local/apache2/htdocs/

11] Then create a HTML file

12] go to the Terminal

docker build -t name2

docker run -d -P 8001:80 name2

Program 4 (B2)

1] Continue with the B1 program and then add the two Comand in the terminal

docker tag hi: latest username/hi:v1

docker tag push username/hi:v1

docker pull username/dzivi