1. Write code for a simple user registration form for an event.

```
PROGRAM: -
<!DOCTYPE html>
<html>
<head>
    <title>Registration Form</title>
    <style>
        form {
            width: 400px;
        }
        input {
            width: 100%;
            padding: 10px;
            margin-bottom: 10px;
            border: 1px solid #ccc;
            border-radius: 4px;
            box-sizing: border-box;
        }
        button {
            background-color: #4CAF50;
            color: white;
            padding: 12px 20px;
            border: none;
            border-radius: 4px;
            cursor: pointer;
    </style>
</head>
<body>
    <form>
        <h2>Registration Form</h2>
        <label for="name">Name</label>
        <input type="text" id="name" name="name" placeholder="Enter your name" required>
        <label for="email">Email</label>
        <input type="email" id="email" name="email" placeholder="Enter your email" required>
        <label for="password">Password</label>
        <input type="password" id="password" name="password" placeholder="Enter your</pre>
password" required>
        <button type="submit">Submit</button>
    </form>
</body>
</html>
OUTPUT: -
```

Registration Form

Name

Enter your name

Email

Enter your email

Password

Enter your password

Submit

2. Explore Git and GitHub commands.

```
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop (master)

bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop (master)

cd reg

bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)

git init
Initialized empty Git repository in C:/Users/bhage/Desktop/reg/.git/

bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)

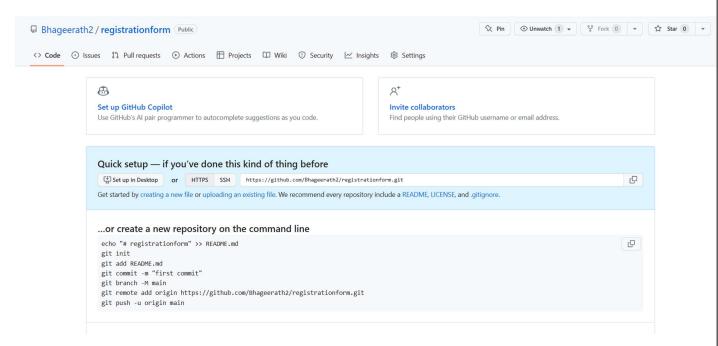
git config --global user.name Bhageerath2

bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)

git config --global user.email gbhageerathreddy_csm206621@mgit.ac.in
```

```
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
       main.html
nothing added to commit but untracked files present (use "git add" to track)
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git add main.html
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
       new file: main.html
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git commit -a -m "added main.html"
[master (root-commit) 88f7d38] added main.html
1 file changed, 50 insertions(+)
 create mode 100644 main.html
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git status
On branch master
nothing to commit, working tree clean
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ 1s
main.html
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git log
commit 88f7d38520188f81fb7cb43864740ac4f37d31a2 (HEAD -> master)
Author: Bhageerath2 <gbhageerathreddy_csm206621@mgit.ac.in>
         Wed May 3 21:39:50 2023 +0530
Date:
    added main.html
```

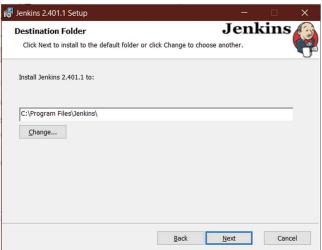
3. Practice Source code management on GitHub. Experiment with the source code written in exercise 1.



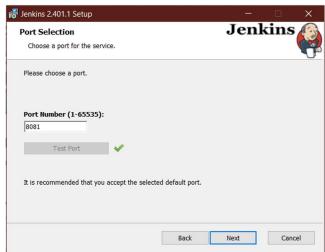
```
ohage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git remote add origin https://github.com/Bhageerath2/registrationform.git
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (master)
$ git branch -M main
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100\% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 695 bytes | 695.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Bhageerath2/registrationform.git
* [new branch]
                      main -> main
branch 'main' set up to track 'origin/main'.
bhage@DESKTOP-FQ854C4 MINGW64 ~/Desktop/reg (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
nothing to commit, working tree clean
```

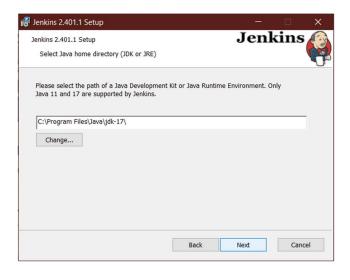
4. Jenkins installation and setup, explore the environment.



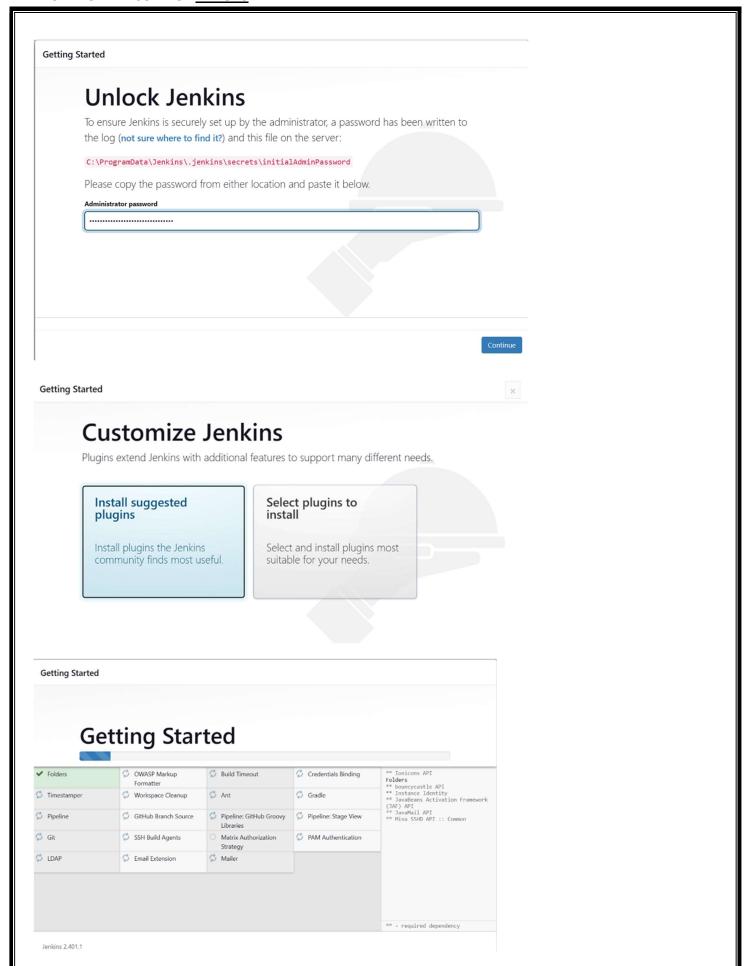


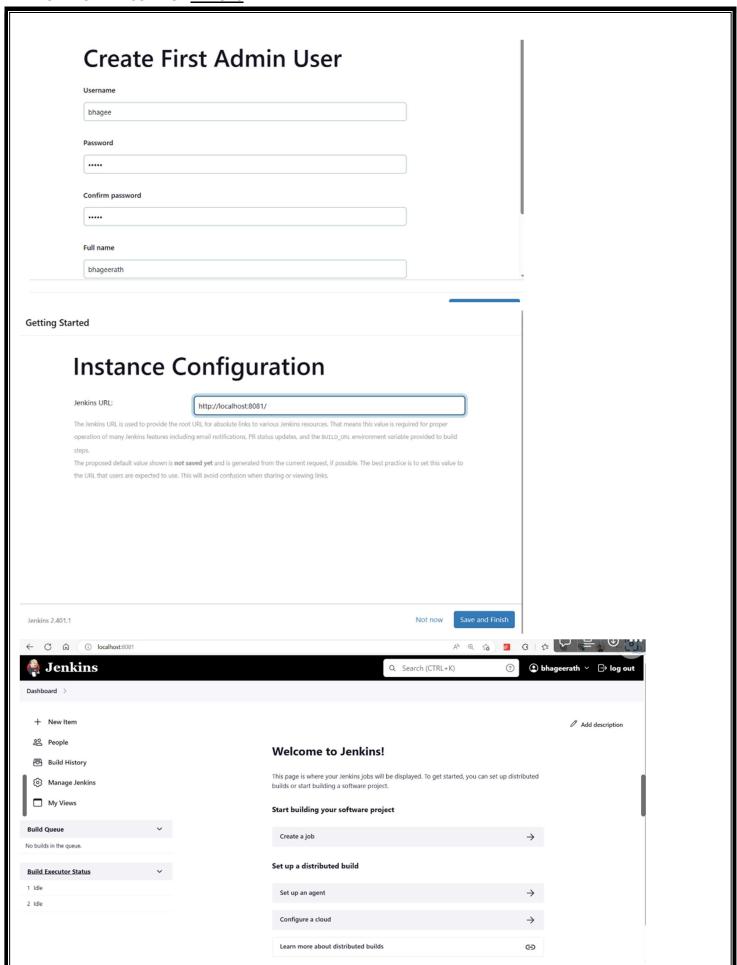


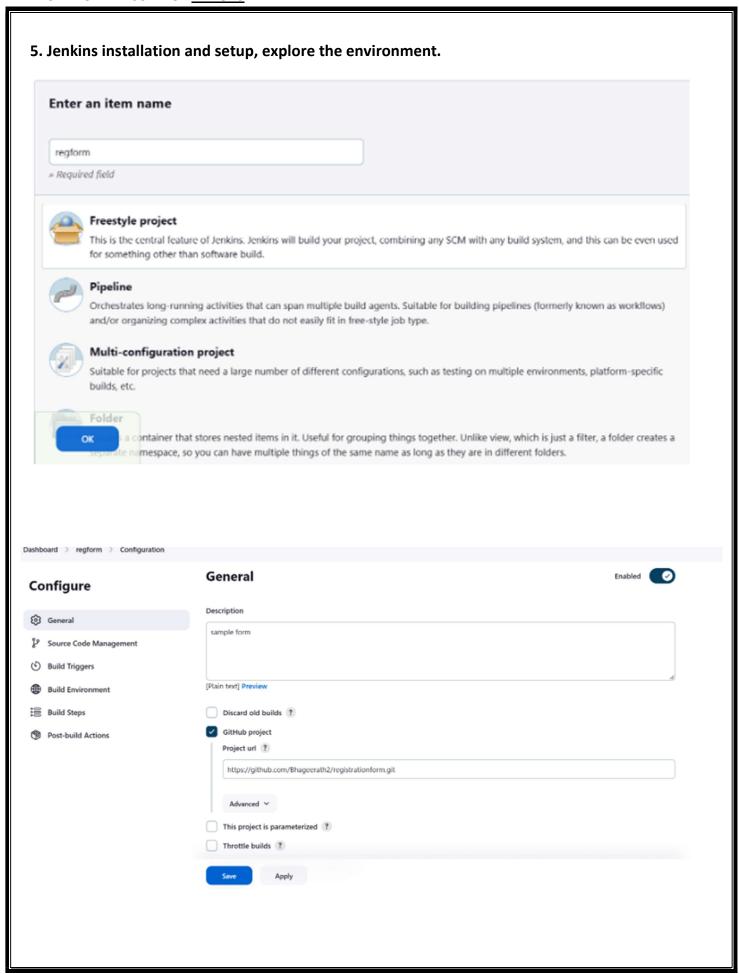


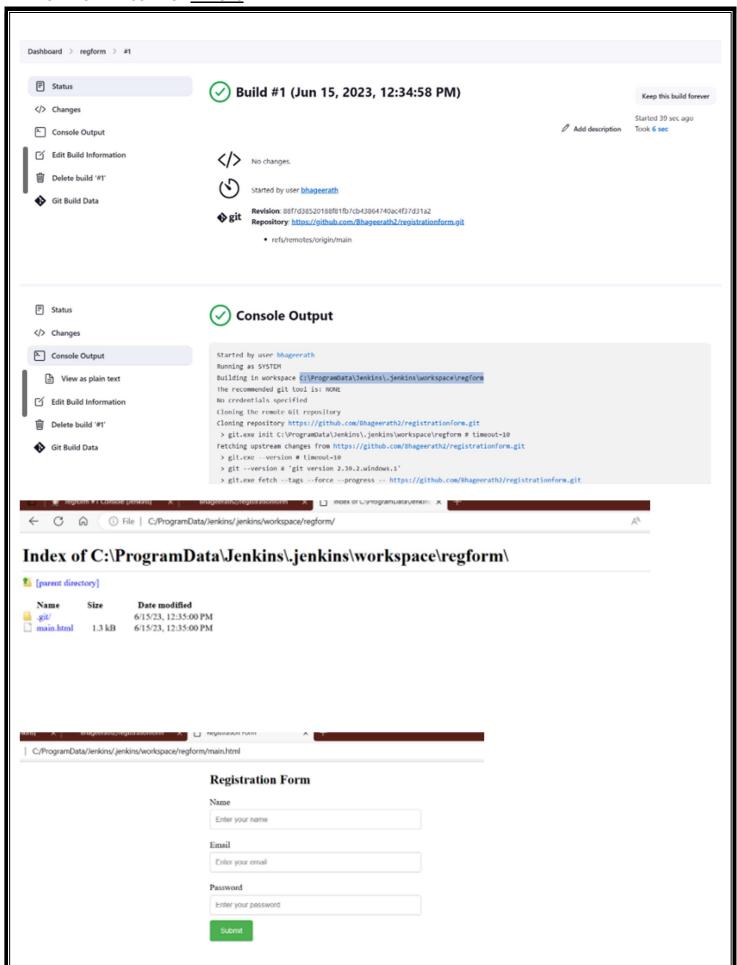


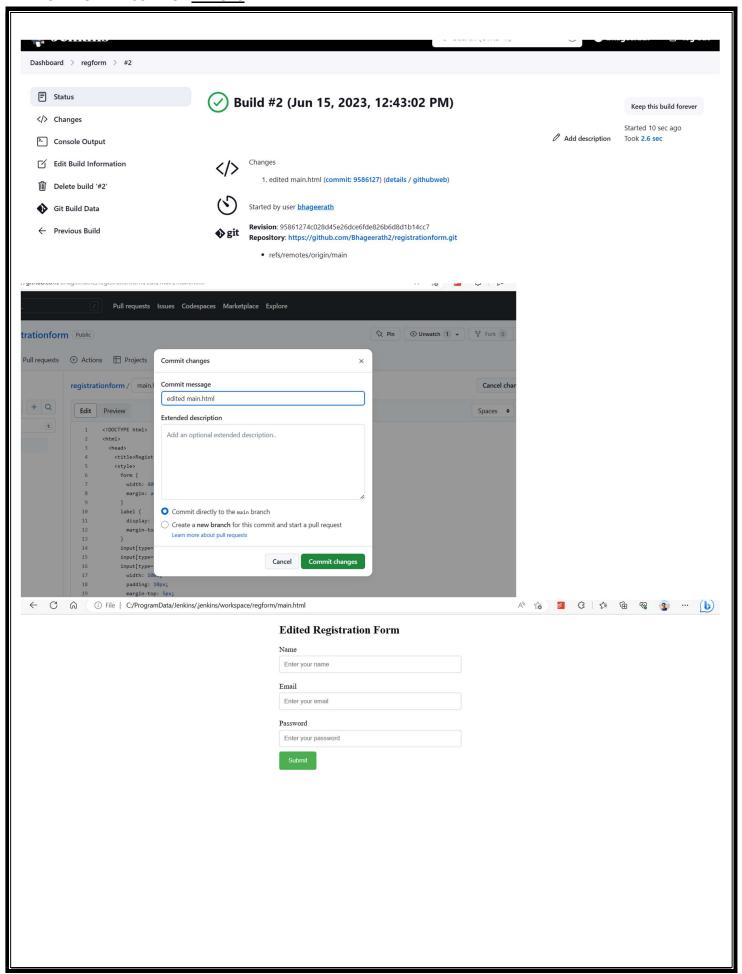












6. Explore Docker commands for content management.

Docker pull: Pull an image or a repository from a registry.

Using default tag: latest

latest: Pulling from library/hello-world

Digest: sha256:c2e23624975516c7e27b1b25be3682a8c6c4c0cea011b791ce98aa423b5040a0

Status: Image is up to date for hello-world:latest

docker.io/library/hello-world:latest

Docker run: Run a command in a new container.

docker run hello-world

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

- 1. The Docker client contacted the Docker daemon.
- 2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (amd64)
- 3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
- 4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

\$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID: https://hub.docker.com/

For more examples and ideas, visit: https://docs.docker.com/get-started/

Docker images: List images.

→ ~ docker	images			
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx	latest	eb4a57159180	7 days ago	187MB
hello-world	latest	9c7a54a9a43c	6 weeks ago	13.3kB
ubuntu	latest	08d22c0ceb15	3 months ago	77.8MB
hello-world	<none></none>	feb5d9fea6a5	21 months ago	13.3kB

Docker ps: List containers.

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
ba63b93f2c1a	nginx	"/docker-entrypoint"	19 seconds ago	Up 17 seconds	80/tcp	heuristic_swirles