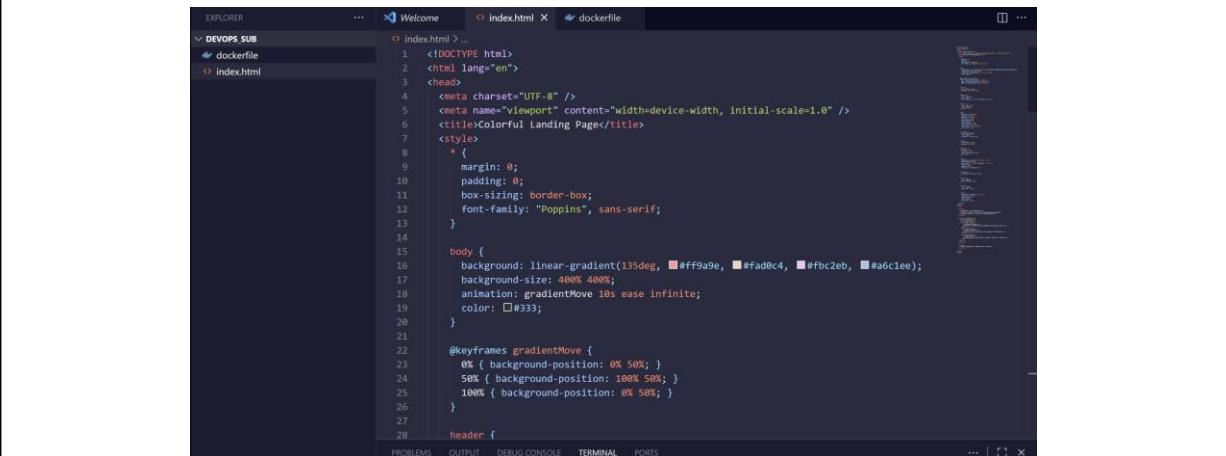


B2. Create and configure Jenkins files for workflow and build of an application and push the image

Application Source code



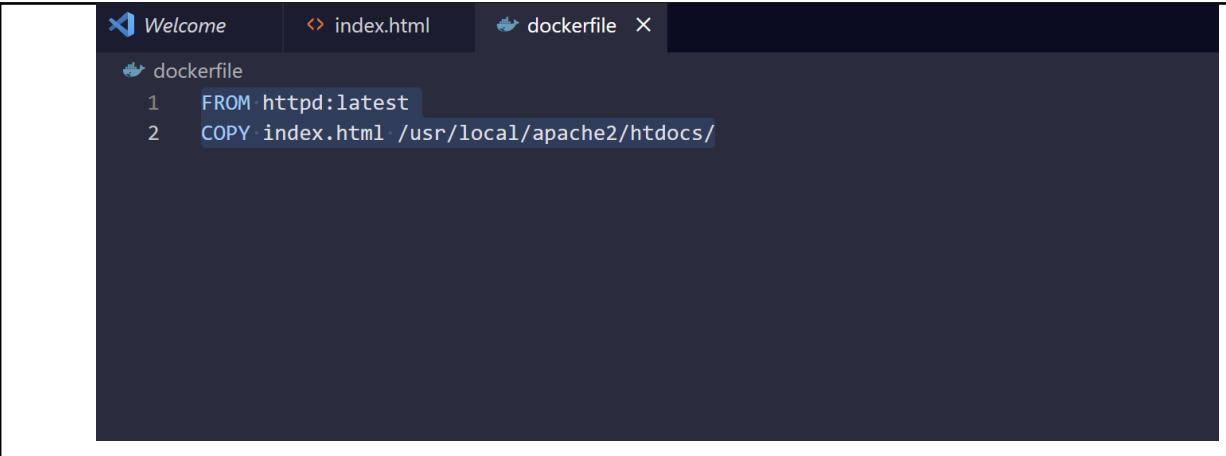
A screenshot of the Visual Studio Code interface. The Explorer sidebar shows a folder named 'DEVOPS SUB' containing 'dockerfile' and 'index.html'. The 'index.html' tab is active, displaying the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Colorful Landing Page</title>
<style>
* {
margin: 0;
padding: 0;
box-sizing: border-box;
font-family: "Poppins", sans-serif;
}
body {
background: linear-gradient(135deg, #ff9a9e, #fad0c4, #fbcb2eb, #a6c1ee);
background-size: 400% 400%;
animation: gradientMove 30s ease infinite;
color: #333;
}
@keyframes gradientMove {
0% { background-position: 0% 50%; }
50% { background-position: 100% 50%; }
100% { background-position: 0% 50%; }
}
header {

```

The 'dockerfile' tab is also visible at the top.

Dockerfile



A screenshot of the Visual Studio Code interface. The Explorer sidebar shows a folder named 'DEVOPS SUB' containing 'dockerfile'. The 'dockerfile' tab is active, displaying the following Dockerfile code:

```
FROM httpd:latest
COPY index.html /usr/local/apache2/htdocs/
```

Command to Build image: docker build -t devops_sub .

Command to tag the image : docker run -d --name devops_sub_container -p 8083:80 devops_sub

Command to push the image : docker push lohithbandla/devops_sub:v1

Docker Hub

The screenshot shows the Docker Hub interface. On the left is a sidebar with the user's namespace 'lohithbanda' and various management options like Hardened Images, Collaborations, Settings, Default privacy, Notifications, Billing, Usage, Pulls, and Storage. The main area is titled 'Repositories' and displays a single repository entry:

Name	Last Pushed	Contains	Visibility	Scout
lohithbanda/devops_sub	1 minute ago	IMAGE	Public	Inactive

At the bottom of the table, it says '1-1 of 1'.

Configuration	Execution	Viva	Total	Verified By