Lab Custom images:

Step 1: Create a Dockerfile in a new directory.

```
root@gowtham:~# mkdir gowtham_image
root@gowtham:~# cd gowtham_image
root@gowtham:~/gowtham_image# vi dockerfile
```

Step 2: Open the Dockerfile in a text editor and define it.

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

In the same directory as the Dockerfile, you would create an `index.html` file with the content you want, for example:

```
<!DOCTYPE html>
<html>
<body>

<h1>Hello World from my Custom Docker Image!</h1>

</body>
</html>
~
```

Step 3: Build the Docker image using the `docker build` command.

```
root@gowtham:~/gowtham_image# docker build -t gowtham_image .
[+] Building 23.3s (7/7) FINISHED                                                           docker:default
 => [internal] load build definition from dockerfile                                                  0.2s
 => => transferring dockerfile: 90B                                                                   0.0s
 => [internal] load metadata for docker.io/library/httpd:latest                                       5.8s
 => [internal] load .dockerignore                                                                     0.0s
 => => transferring context: 2B                                                                       0.0s
 => [internal] load build context                                                                     0.1s
 => => transferring context: 135B                                                                     0.0s
 => [1/2] FROM docker.io/library/httpd:latest@sha256:fad0c8311b35c689cf1b94fc4783e735a8e3086aebfe318c  16.2s
```

Step 4: After building, you can check that the image is available with the following command:

```
root@gowtham:~/gowtham_image# docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
gowtham_image   latest    7ddc02dde896   24 seconds ago   148MB
```

Step 5: To use the image, you can run a new container with the `docker run` command:

```
root@gowtham:~/gowtham_image# docker run -d -p 8080:80 gowtham_image
6dd114dea92039e19d2787456e1f6c5e6ca16b468b7f65915d3cbed0abd6170e
```

Step 6 :To use check the verify to IP address: