EXPERIMENT 5

AIM: Working with Dockerfile to Build and Push Docker Image

Steps to Complete:

1. Create following Dockerfile

   ```
   FROM alpine
   MAINTAINER SUDIPT
   RUN apk update
   RUN apk add nodejs
   RUN mkdir /app
   COPY index.js /app
   WORKDIR /app
   RUN node index.js
   ```

2. Now we have dockerized the app, we will Build image from Dockerfile.

   ```
   docker build -t myimage:0.1 .
   ```

3. Create account on Dockerhub and create a repository in it.

4. Tag the recently created image using following command.

   ```
   docker tag imageID Repositoryname
   ```

5. Login to Dockerhub from console using following command.

   ```
   docker Login
   ```

6. Now push the image on Dockerhub using following command.

   ```
   docker push Repositoryname
   ```

7. Pull and Run the container of your deployed image on docker hub.

   ```
   Docker run -d image_name
   ```