**Docker Compose - React**

**# Dockerfile**

# Build stage 1.

# to build and compile the frontend

FROM node as builder

# define working directory

WORKDIR /app

# copy configuration files

COPY package.json ./

# install npm

RUN npm install

# copy all code file from local to container

COPY . ./

# Bundles the app into static files for production.

RUN npm run build

# Build stage 2.

# ready for production with Nginx

FROM nginx

# define working directory

WORKDIR /usr/share/nginx/html

# remove all files from html inside container

RUN rm -rf ./\*

# we can copy files from a previous stage , we'll copy it to the nginx directory, just as static files

COPY --from=builder /app/build .

# Run nginx in the foreground.

ENTRYPOINT ["nginx", "-g", "daemon off;" ]

**Commands:-**

**# This will build docker image from Dockerfile**

**—>** sudo docker build -t react-app:latest .

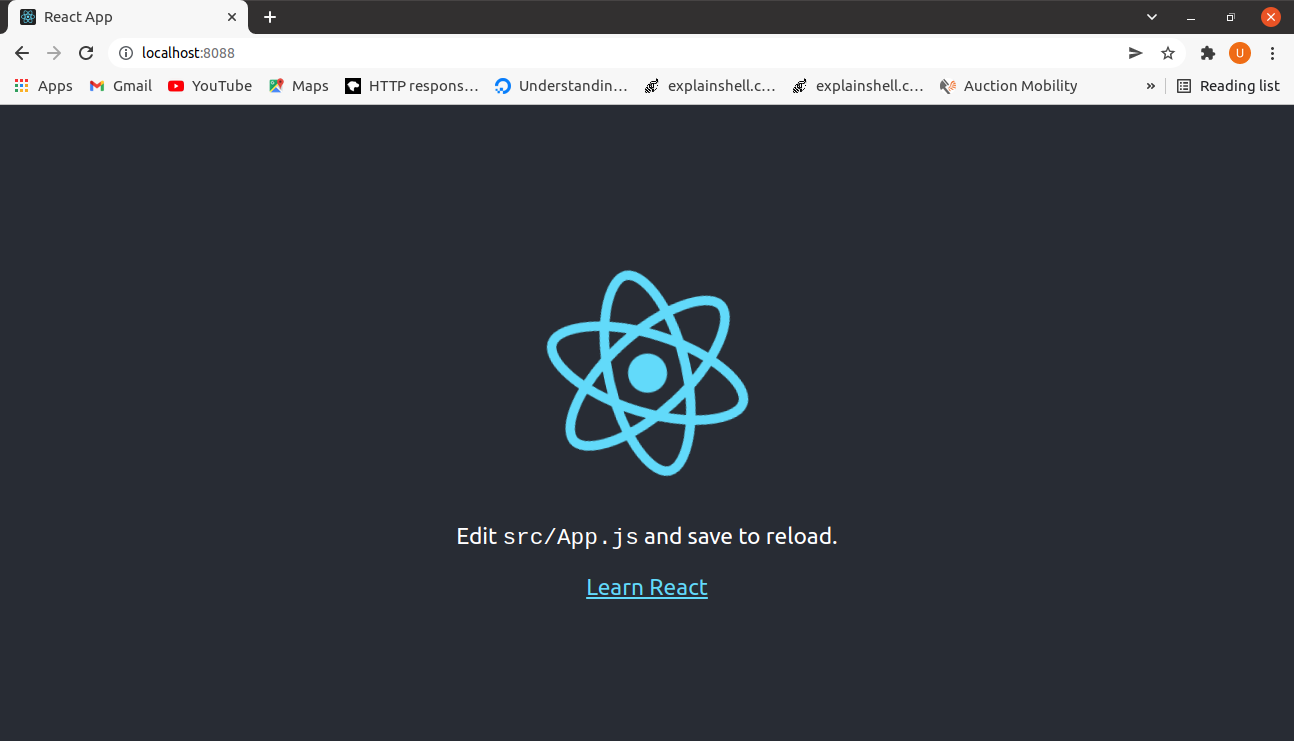
**# This will run container on defined port**

**—>** sudo docker run -d -p 8088:80 --name react-app react-app:latest

**# To see the output with curl**

**—>** curl localhost:8088

**Output:--**

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