To create 3 containers I used docker-compose to handle this containers
I created docker-compose.yml file to config the 3 containers

docker-compose.yml ✕

docker-compose.yml

```yaml
version: "3"

services:
  apache:
    image: httpd:latest
    ports:
      - "8000:80"
    volumes:
      - ./html:/usr/local/apache2/htdocs/

  mysql:
    image: mysql:latest
    environment:
      MYSQL_ROOT_PASSWORD: magedPass
    volumes:
      - ./mysql:/var/lib/mysql

  phpmyadmin:
    image: phpmyadmin/phpmyadmin:latest
    links:
      - mysql:db
    ports:
      - "8001:80"
    environment:
      PMA_ARBITRARY: 1
```

here I used "docker-compose up -d" comment to create the 3 containers using docker-compose.yml as default configuration file


```
maged_khaled@localhost:~/LAMP

File  Edit  View  Search  Terminal  Help

Creating network "lamp_default" with the default driver
Pulling apache (httpd:latest)...
latest: Pulling from library/httpd
a803e7c4b030: Already exists
053327351b4a: Pulling fs layer
053327351b4a: Downloading [=================================================>]
053327351b4a: Extracting [=================================================>]
053327351b4a: Extracting [=================================================>]
053327351b4a: Pull complete
de42e9dfbbe1: Downloading [=>                                                ]
de42e9dfbbe1: Downloading [===>                                              ]
de42e9dfbbe1: Downloading [===>                                              ]
de42e9dfbbe1: Downloading [======>                                           ]
de42e9dfbbe1: Downloading [======>                                           ]
de42e9dfbbe1: Downloading [=========>                                        ]
 769.3kB/4.194MB
de42e9dfbbe1: Downloading [============>                                     ]
de42e9dfbbe1: Downloading [===============>                                  ]
de42e9dfbbe1: Downloading [=================>                                ]
de42e9dfbbe1: Pull complete
9d28e265584b: Downloading [========================>                         ]
9d28e265584b: Downloading [============================>                     ]
 18.58MB/31.36MB
```
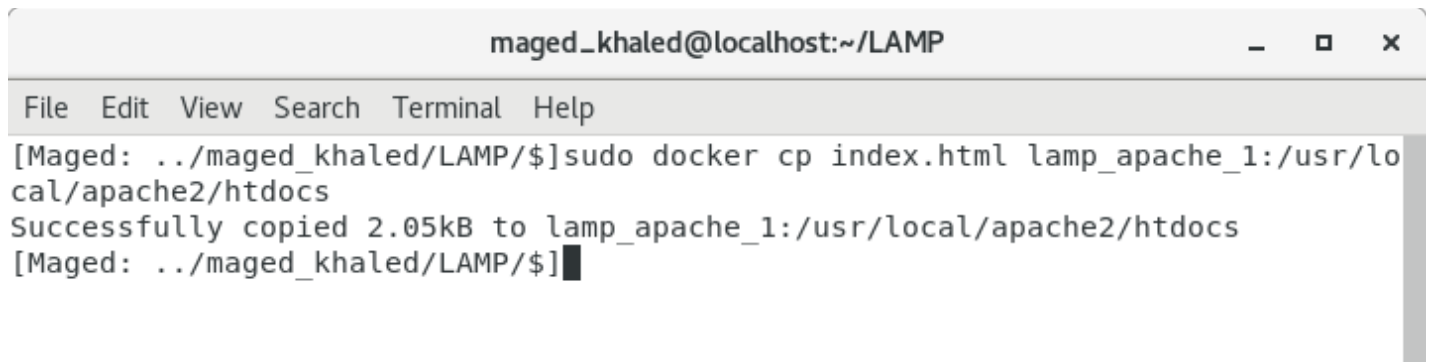
```
maged_khaled@localhost:~/LAMP

File  Edit  View  Search  Terminal  Help

[Maged: ../maged_khaled/LAMP/$]docker ps
CONTAINER ID   IMAGE                          COMMAND                  CREATED          STATUS          PORTS                                       NAMES
ca3c323fe6c2   phpmyadmin/phpmyadmin:latest   "/docker-entrypoint.…"   33 seconds ago   Up 32 seconds   0.0.0.0:8001->80/tcp, :::8001->80/tcp       lamp_phpmyadmin_1
dcc1b6d896bd   httpd:latest                   "httpd-foreground"       35 seconds ago   Up 32 seconds   0.0.0.0:8000->80/tcp, :::8000->80/tcp       lamp_apache_1
448a1f0e7fd9   mysql:latest                   "docker-entrypoint.s…"   35 seconds ago   Up 32 seconds   3306/tcp, 33060/tcp                         lamp_mysql_1
[Maged: ../maged_khaled/LAMP/$]
```
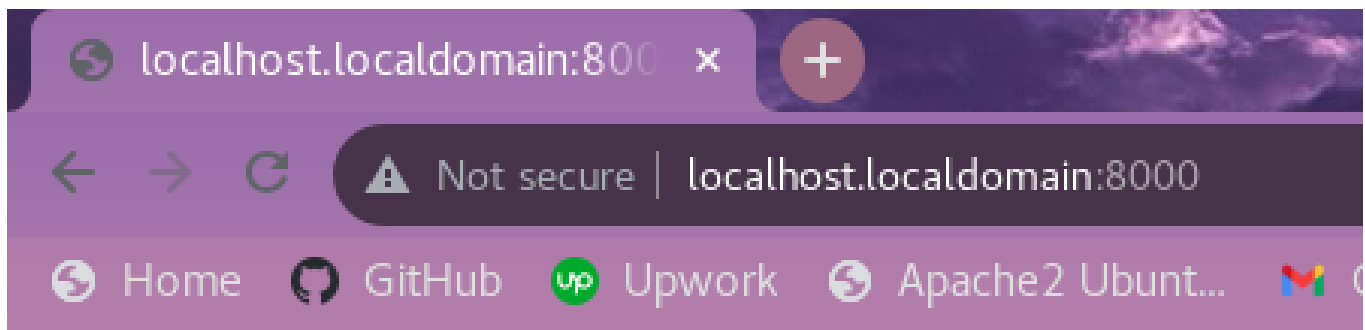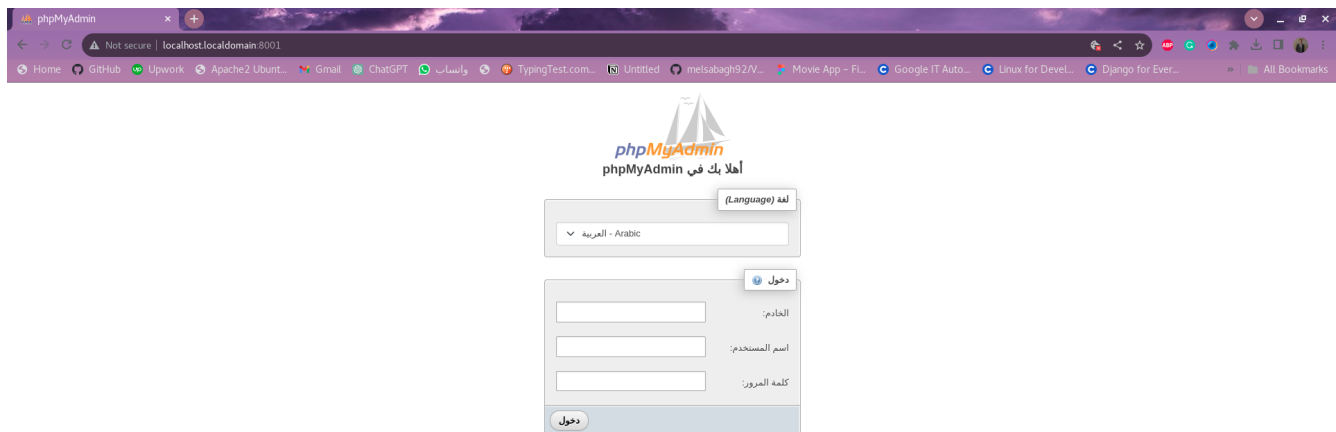
Here I copied file from local into lamp_apache container then I will see its content on port 8000
By the way in port 8001 there are default index.php file so I didn't need to create one

maged_khaled@localhost:~/LAMP

File   Edit   View   Search   Terminal   Help

```
[Maged: ../maged_khaled/LAMP/$]sudo docker cp index.html lamp_apache_1:/usr/lo
cal/apache2/htdocs
Successfully copied 2.05kB to lamp_apache_1:/usr/local/apache2/htdocs
[Maged: ../maged_khaled/LAMP/$]
```

Here my php file in port 8001 and my index.html file on port 8000

Hello Maged From container