apt update -y && apt install docker.io -y && apt upgrade -y

docker run -dt --name db p7510543/tomcat-db

docker run -dt --name tomcat -p 8000:8080 p7510543/ubuntu-tomcat

docker run -dt --name tomcat-link -p 8010:8080 --link db:db p7510543/ubuntu-tomcat

docker exec -ti tomcat-link bash

cd /opt/tomcat/webapps/ROOT/

vim index.jsp

<%!

String host="jdbc:mysql://db/cloud";

String user="cloud";

String pw="password";

Connection conn;

Statement stmt;

String sql="select \* from albums";

ResultSet rs;

%>

</head>

<body>

<h1>Hello JSP</h1>

<%

Class.forName("com.mysql.jdbc.Driver");

conn = DriverManager.getConnection(host,user,pw);

stmt = conn.createStatement();

rs = stmt.executeQuery(sql);

out.println("<table>");

while (rs.next()){

int no = rs.getInt(1);

String id = rs.getString(2);

String pw = rs.getString(3);

String email = rs.getString(4);

String name = rs.getString(5);

String gender = rs.getString(6);

String age = rs.getString(7);

String price = rs.getString(8);

out.println("<tr>");

out.println("<td>"+no+"</td>");

out.println("<td>"+id+"</td>");

out.println("<td>"+pw+"</td>");

out.println("<td>"+email+"</td>");

out.println("<td>"+name+"</td>");

out.println("<td>"+gender+"</td>");

out.println("<td>"+age+"</td>");

out.println("<td>"+price+"</td>");

:wq

exit

docker commit tomcat-link p7510543/ubuntu-tomcat:album

docker login

docker push p7510543/ubuntu-tomcat:album

docker stop tomcat

docker stop tomcat-link

docker stop db

docker rm tomcat

docker rm tomcat-link

docker rm db

http => https

[https://album.~](about:blank) => select \* from albums

[https://user.~](about:blank) => select \* from users

[https://movie.~](about:blank) => select \* from movie\_list

[https://caffemocha.~](about:blank) => select \* from caffemocha

docker network create tomcat-service

docker run -dt --name db --network tomcat-service p7510543/tomcat-db

docker run -dt --name nginx --network tomcat-service ubuntu

docker run -dt --name tomcat-user --network tomcat-service p7510543/ubuntu-tomcat:latest

docker run -dt --name tomcat-album --network tomcat-service p7510543/ubuntu-tomcat:album

docker exec -ti nginx bash

apt update -y && apt install nginx -y && apt upgrade -y

apt install iputils-ping vim -y

cd /etc/nginx/site-aviliable

vim tomcat-user

server {

listen 80;

listen [::]:80;

server\_name user.cleverguyz.com;

location / {

proxy\_pass http://tomcat-user:8080;

}

}

vim tomcat-album

server {

listen 80;

listen [::]:80;

server\_name album.cleverguyz.com;

location / {

proxy\_pass http://tomcat-album:8080;

}

}

cd /etc/nginx/sites-enabled/

ln -s /etc/nginx/sites-available/tomcat-user ./

ln -s /etc/nginx/sites-available/tomcat-album ./

exit

mkdir nginx

cd nginx

docker commit nginx p7510543/tomcat-nginx

docker stop nginx && docker rm nginx

vim Dockerfile

FROM p7510543/tomcat-nginx

CMD service nginx start && /bin/bash

:wq

docker build --tag p7510543/tomcat-nginx .

docker run -dt -p 80:80 --name nginx --network tomcat-service p7510543/tomcat-nginx

docker run -dt --network tomcat-service --name tomcat-movie p7510543/ubuntu-tomcat

docker run -dt --network tomcat-service --name tomcat-caffemocha p7510543/ubuntu-tomcat

docker exec -ti nginx bash

cd /etc/nginx/sites-available/

cp tomcat-user tomcat-movie

cp tomcat-user tomcat-caffemocha

vim tomcat-caffemocha

server {

listen 80;

listen [::]:80;

server\_name caffemocha.cleverguyz.com;

location / {

proxy\_pass http://tomcat-caffemocha:8080;

}

}

:wq

vim tomcat-movie

server {

listen 80;

listen [::]:80;

server\_name movie.cleverguyz.com;

location / {

proxy\_pass http://tomcat-movie:8080;

}

}

:wq

cd ../sites-enabled/

ln -s /etc/nginx/sites-available/tomcat-movie ./

ln -s /etc/nginx/sites-available/tomcat-caffemocha ./

service nginx restart

docker exec -ti tomcat-movie bash

vim /opt/tomcat/webapps/ROOT/index.jsp

<%!

String host="jdbc:mysql://db/cloud";

String user="cloud";

String pw="password";

Connection conn;

Statement stmt;

String sql="select \* from movie\_list";

ResultSet rs;

%>

</head>

<body>

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<%

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conn = DriverManager.getConnection(host,user,pw);

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String id = rs.getString(2);

String pw = rs.getString(3);

String email = rs.getString(4);

String name = rs.getString(5);

String gender = rs.getString(6);

String age = rs.getString(7);

String col1 = rs.getString(8);

String col2 = rs.getString(9);

out.println("<tr>");

out.println("<td>"+no+"</td>");

out.println("<td>"+id+"</td>");

out.println("<td>"+pw+"</td>");

out.println("<td>"+email+"</td>");

out.println("<td>"+name+"</td>");

out.println("<td>"+gender+"</td>");

out.println("<td>"+age+"</td>");

out.println("<td>"+col1+"</td>");

out.println("<td>"+col2+"</td>");

:wq

exit

docker exec -ti tomcat-caffemocha bash

vim /opt/tomcat/webapps/ROOT/index.jsp

<%!

String host="jdbc:mysql://db/cloud";

String user="cloud";

String pw="password";

Connection conn;

Statement stmt;

String sql="select \* from caffemocha";

ResultSet rs;

%>

</head>

<body>

<h1>Hello JSP</h1>

<%

Class.forName("com.mysql.jdbc.Driver");

conn = DriverManager.getConnection(host,user,pw);

stmt = conn.createStatement();

rs = stmt.executeQuery(sql);

out.println("<table>");

while (rs.next()){

int no = rs.getInt(1);

String id = rs.getString(2);

String pw = rs.getString(3);

String email = rs.getString(4);

String name = rs.getString(5);

String gender = rs.getString(6);

out.println("<tr>");

out.println("<td>"+no+"</td>");

out.println("<td>"+id+"</td>");

out.println("<td>"+pw+"</td>");

out.println("<td>"+email+"</td>");

out.println("<td>"+name+"</td>");

out.println("<td>"+gender+"</td>");

out.println("</tr>");

:wq

exit

docker commit tomcat-user p7510543/ubuntu-tomcat:user

docker commit tomcat-movie p7510543/ubuntu-tomcat:movie

docker commit tomcat-caffemocha p7510543/ubuntu-tomcat:caffemocha

docker push p7510543/ubuntu-tomcat:caffemocha

docker push p7510543/ubuntu-tomcat:movie

docker push p7510543/ubuntu-tomcat:user

sudo su

apt update -y && apt install nginx php-fpm -y && apt upgrade -y

apt install git

cd /var/www/html

git clone <https://github.com/p7510543/first-php.git>

cd first-php

git status

vim index.php

<?php

phpinfo();

?>

:wq

git add index.php

vim test.php

<?php

echo 'test';

?>

:wq

git commit -m "index.php added"

git push

git add .

git commit -m "test.php added"

git push

[https://php.~](about:blank)

cd /etc/nginx/sites-available/

vim php

server {

listen 80;

listen [::]:80;

server\_name php.cleverguyz.com;

root /var/www/html/first-php;

index index.php;

location / {

try\_files $uri $uri/ =404;

}

location ~ \.php$ {

include snippets/fastcgi-php.conf;

fastcgi\_pass unix:/var/run/php/php7.2-fpm.sock;

}

}

:wq

cd ../sites-enabled/

ln -s /etc/nginx/sites-available/php

cd /var/www/html/first-php/

git branch dev

git checkout dev

git checkout -b dev1 (git branch dev && git checkout dev)

git checkout dev

vim dev.php

<?php

echo 'dev';

?>

:wq

git add .

git commit -m “dev.php”

git push --set-upstream origin dev

git checkout master

git merge dev

git config --global credential.helper store

git push

git fetch

git checkout sourcetree

git checkout master

git pull

vim .gitignore

\*.html

:wq

vim test.html

test

:wq

git add .

git commit -m “git ignore”

git push