→ ~~gedit~~ gedit mysql/service.yml

mysql/service.yml

apiVersion : V1

kind : service

metadata :

name : webapp.sql

~~tier : backend~~

spec :

selector :

app: webapp.sql

tier: backend

ports :

-port : 3306

clusterIp : none. → save this file

→ kubectl apply -f webservice.yml

service/webapp.sql created.

→ kubectl apply -f mysql service.yml

service/webapp.sql created.

→ kubectl get service

output: name Type clusterIP external IP port Ag

kubernetes cluster ip 10.96.0.1 none 443/TCP 12

webapp1.sql	Nodeport	10.108.76.203	NoN	80:31/TCP	25d
webapp.sql1	clusterIP	NONE	NoN	3306/TCP	25

→ Kubectl get pods

output:

Name	Ready	State	Restarts	Age
sqldb.7c	1/1	Running	0	2M
webapp1.5b4.	1/1	Running	1	2M.

go to web app container:

→ Kubectl exec -it (webapp1-5b4dbc-xdw25) bash

↓ container-ID

→ nano [var/www/html/index.php] directory.

```
<html>
<head>
<title> Docker sample app </title>

<?php
if ($_SERVER['REQUEST_METHOD'] == "POST")
{

$servername = "localhost webapp-sql1";
$username = "root";
$password = "edureka";
$dbname = "product_details";
$name = $_post["name"];
$phone = $_post["phone"];

// create connection
$conn = new mysqli($servername, $username,
                   $password, $dbname);

// check connection
if ($conn -> connect_error){
    die("connection failed: " . $conn -> connect
                                _error);
}
```

```
$sql = "INSERT INTO produts (product_name,
                             product_id)
VALUES ('".$name."', '".$id."')";
if ($conn->query($sql) === TRUE) {
    echo "NEW record created successfully";
} else {
    echo "Error ".$sql."<br>".$conn->error;
}
$conn->close();
}
```

save this file

→ exit (out of this container)

→ kubectl exec -it sqldb-7c79c9dd7d-bash

→ mysql -u root -pdureka

→ CREATE DATABASE Produt_Details;

→ USE produt_Details;

→ CREATE TABLE produts (product_name VARCHAR(10), produt_id VARCHAR(15));

→ Exit (this container)

→ Kubectl get services

Output :-

New record created successfully

ID

952594

Headphons

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