PS C:\ymlfiles> kubectl apply -f .\mysql-pvc.yml

persistentvolumeclaim/mysql-pvc created

PS C:\ymlfiles> kubectl apply -f .\mysql-deployment.yml

deployment.apps/mysql created

PS C:\ymlfiles> kubectl get deployments

NAME READY UP-TO-DATE AVAILABLE AGE

mysql 1/1 1 1 13s

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

mysql-6fd69f9567-sdvc6 1/1 Running 0 43s

PS C:\ymlfiles> kubectl apply -f .\mysql-service.yml

service/mysql created

PS C:\ymlfiles> kubectl get service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 16d

mysql ClusterIP 10.98.177.109 <none> 3306/TCP 14s

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

mysql-6fd69f9567-sdvc6 1/1 Running 0 2m44s

PS C:\ymlfiles> kubectl exec -it mysql-6fd69f9567-sdvc6 \bin\bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

OCI runtime exec failed: exec failed: unable to start container process: exec: "\\bin\\bash": executable file not found in $PATH: unknown

command terminated with exit code 126

PS C:\ymlfiles> kubectl exec -it mysql-6fd69f9567-sdvc6 /bin/bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

bash-4.4# mysql -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 8

Server version: 8.0.33 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| capstone |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

+--------------------+

5 rows in set (0.13 sec)

mysql> use capstone;

Database changed

mysql> show tables;

Empty set (0.01 sec)

mysql> exit

Bye

bash-4.4# exit

exit

PS C:\ymlfiles> kubectl apply -f .\employee-deployeement.yml

deployment.apps/employee-management-system-deployment created

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

employee-management-system-deployment-644dcc945d-gzxxq 0/1 ContainerCreating 0 9s

mysql-6fd69f9567-sdvc6 1/1 Running 0 8m25s

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

employee-management-system-deployment-644dcc945d-gzxxq 1/1 Running 0 22s

mysql-6fd69f9567-sdvc6 1/1 Running 0 8m38s

PS C:\ymlfiles> kubectl apply -f .\employee-service.yml

service/employee-management-system-service created

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

employee-management-system-deployment-644dcc945d-gzxxq 1/1 Running 0 112s

mysql-6fd69f9567-sdvc6 1/1 Running 0 10m

PS C:\ymlfiles> kubectl get service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

employee-management-system-service LoadBalancer 10.100.252.188 <pending> 7001:30720/TCP 18s

kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 16d

mysql ClusterIP 10.98.177.109 <none> 3306/TCP 9m16s

PS C:\ymlfiles> kubectl get service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

employee-management-system-service LoadBalancer 10.100.252.188 <pending> 7001:30720/TCP 3m17s

kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 16d

mysql ClusterIP 10.98.177.109 <none> 3306/TCP 12m

PS C:\ymlfiles> kubectl get pods

NAME READY STATUS RESTARTS AGE

employee-management-system-deployment-644dcc945d-gzxxq 1/1 Running 0 5m45s

mysql-6fd69f9567-sdvc6 1/1 Running 0 14m

PS C:\ymlfiles> minikube serive employee-management-system-service

Error: unknown command "serive" for "minikube"

Did you mean this?

service

Run 'minikube --help' for usage.

PS C:\ymlfiles> minikube service employee-management-system-service

|-----------|------------------------------------|-------------|---------------------------|

| NAMESPACE | NAME | TARGET PORT | URL |

|-----------|------------------------------------|-------------|---------------------------|

| default | employee-management-system-service | 7001 | http://192.168.49.2:30720 |

|-----------|------------------------------------|-------------|---------------------------|

\* Starting tunnel for service employee-management-system-service.

|-----------|------------------------------------|-------------|------------------------|

| NAMESPACE | NAME | TARGET PORT | URL |

|-----------|------------------------------------|-------------|------------------------|

| default | employee-management-system-service | | http://127.0.0.1:53373 |

|-----------|------------------------------------|-------------|------------------------|

\* Opening service default/employee-management-system-service in default browser...

! Because you are using a Docker driver on windows, the terminal needs to be open to run it.

\* Stopping tunnel for service employee-management-system-service.

PS C:\ymlfiles> kubectl exec -it mysql-6fd69f9567-sdvc6 \bin\bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

OCI runtime exec failed: exec failed: unable to start container process: exec: "\\bin\\bash": executable file not found in $PATH: unknown

command terminated with exit code 126

PS C:\ymlfiles> kubectl exec -it mysql-6fd69f9567-sdvc6 /bin/bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

bash-4.4# mysql -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 19

Server version: 8.0.33 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| capstone |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

+--------------------+

5 rows in set (0.03 sec)

mysql> use capstone;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

+--------------------+

| Tables\_in\_capstone |

+--------------------+

| employee |

+--------------------+

1 row in set (0.00 sec)

mysql> desc employee;

+---------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+--------------+------+-----+---------+-------+

| employee\_id | bigint | NO | PRI | NULL | |

| date\_of\_birth | date | YES | | NULL | |

| employee\_name | varchar(255) | YES | | NULL | |

+---------------+--------------+------+-----+---------+-------+

3 rows in set (0.02 sec)

mysql> INSERT INTO employee (employee\_id, employee\_name, date\_of\_birth)

-> VALUES

-> (874, 'Rajesh Kumar', '1990-07-10'),

-> (493, 'Priya Sharma', '1993-03-22'),

-> (843, 'Amit Singh', '1985-11-30'),

-> (844, 'Mehak Gupta', '1992-05-12'),

-> (933, 'Ankit Patel', '1988-09-18'),

-> (238, 'Nidhi Verma', '1995-02-08'),

-> (304, 'Sachin Sharma', '1987-04-27'),

-> (349, 'Divya Singh', '1991-08-15'),

-> (393, 'Rohit Malhotra', '1989-06-20'),

-> (373, 'Kavya Choudhary', '1994-01-05');

Query OK, 10 rows affected (0.04 sec)

Records: 10 Duplicates: 0 Warnings: 0

mysql> exit

Bye

bash-4.4# exit

exit

PS C:\ymlfiles> minikube serive employee-management-system-service

Error: unknown command "serive" for "minikube"

Did you mean this?

service

Run 'minikube --help' for usage.

PS C:\ymlfiles> minikube service employee-management-system-service

|-----------|------------------------------------|-------------|---------------------------|

| NAMESPACE | NAME | TARGET PORT | URL |

|-----------|------------------------------------|-------------|---------------------------|

| default | employee-management-system-service | 7001 | http://192.168.49.2:30720 |

|-----------|------------------------------------|-------------|---------------------------|

\* Starting tunnel for service employee-management-system-service.

|-----------|------------------------------------|-------------|------------------------|

| NAMESPACE | NAME | TARGET PORT | URL |

|-----------|------------------------------------|-------------|------------------------|

| default | employee-management-system-service | | http://127.0.0.1:53469 |

|-----------|------------------------------------|-------------|------------------------|

\* Opening service default/employee-management-system-service in default browser...

! Because you are using a Docker driver on windows, the terminal needs to be open to run it.

\* Stopping tunnel for service employee-management-system-service.

PS C:\ymlfiles>