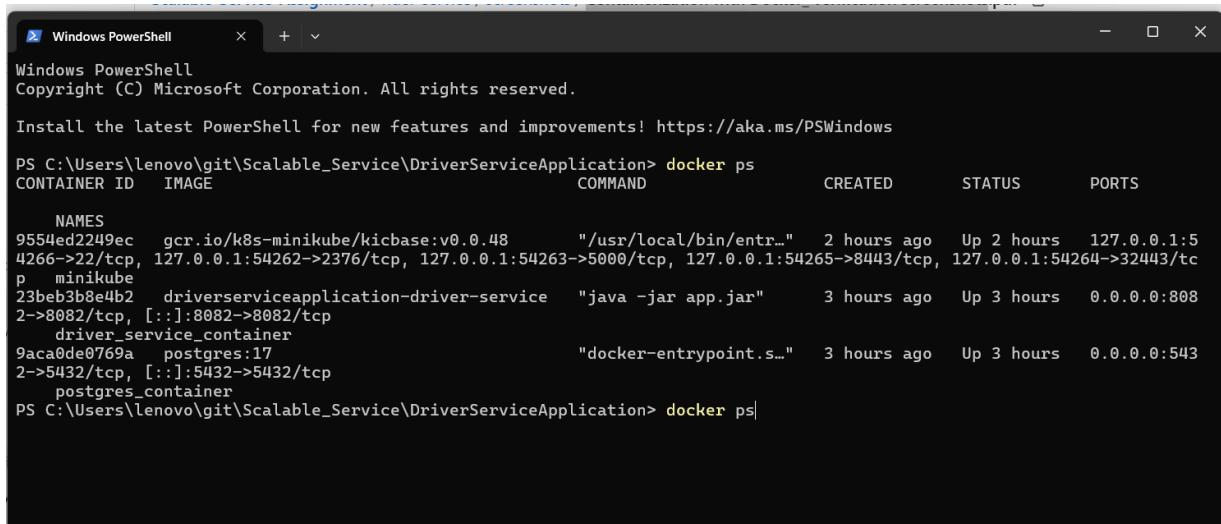


Containerization with Docker_verification screenshots

1.Docker ps

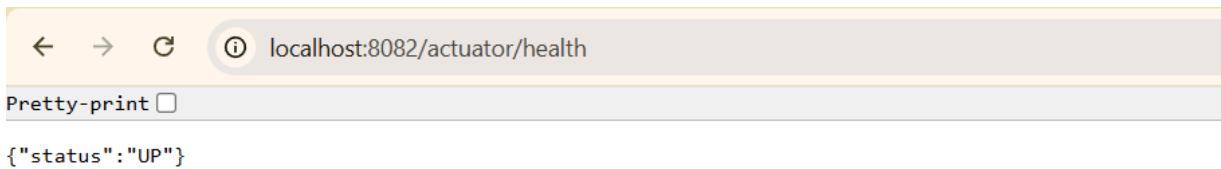


```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

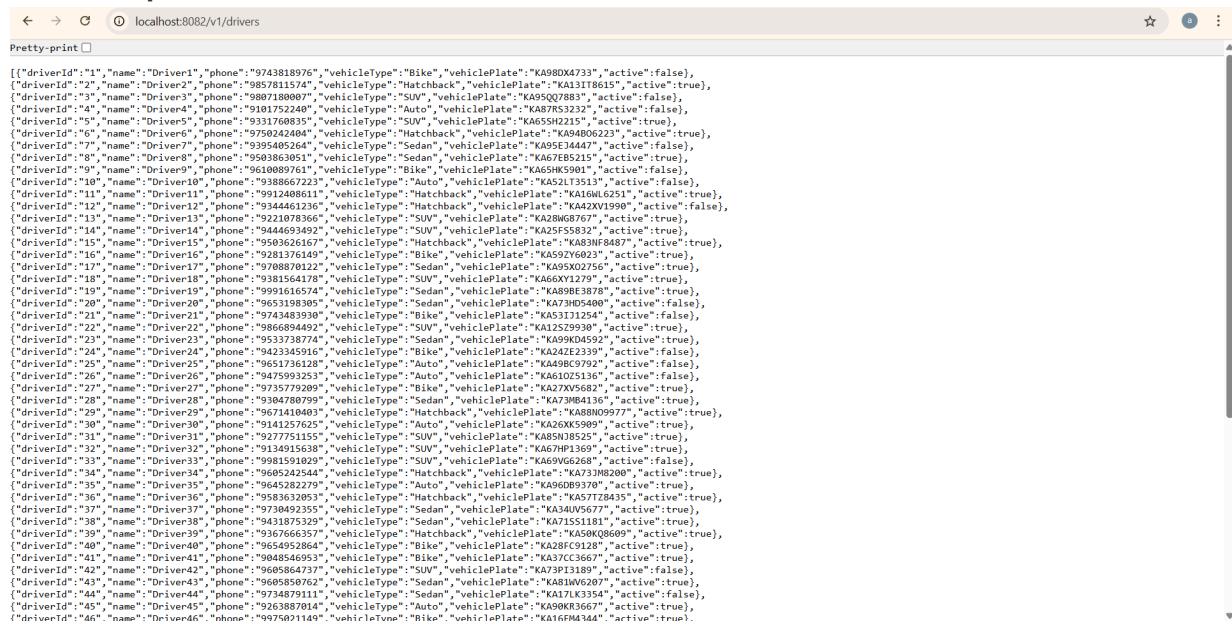
PS C:\Users\lenovo\git\Scalable_Service\DriverServiceApplication> docker ps
CONTAINER ID   IMAGE               COMMAND                  CREATED        STATUS        PORTS
 NAMES
9554ed2249ec   gcr.io/k8s-minikube/kicbase:v0.0.48   "/usr/local/bin/entr..."   2 hours ago   Up 2 hours   127.0.0.1:5
4266->22/tcp, 127.0.0.1:54262->2376/tcp, 127.0.0.1:54263->5000/tcp, 127.0.0.1:54265->8443/tcp, 127.0.0.1:54264->32443/tc
p_minikube
23beb3b8e4b2   driverserviceapplication-driver-service   "java -jar app.jar"      3 hours ago   Up 3 hours   0.0.0.0:808
2->8082/tcp, [::]:8082->8082/tcp
    driver_service_container
9aca0de0769a   postgres:17                                "docker-entrypoint.s..."  3 hours ago   Up 3 hours   0.0.0.0:543
2->5432/tcp, [::]:5432->5432/tcp
    postgres_container
PS C:\Users\lenovo\git\Scalable_Service\DriverServiceApplication> docker ps|
```

2.Service Health Endpoint



3.Service Api Calls

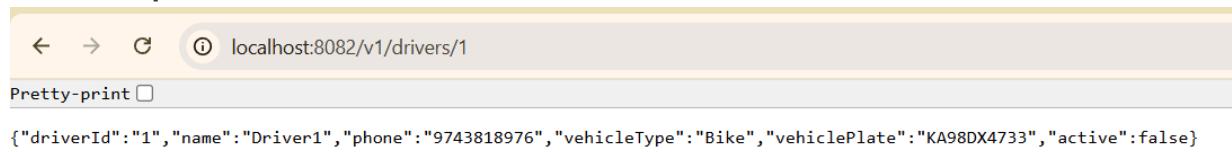
3.1 http://localhost:8082/v1/drivers



```
Pretty-print □

[{"driverId": "1", "name": "Driver1", "phone": "9743818976", "vehicleType": "Bike", "vehiclePlate": "KA98DX4733", "active": false}, {"driverId": "2", "name": "Driver2", "phone": "9857811574", "vehicleType": "Hatchback", "vehiclePlate": "KA13IT78615", "active": true}, {"driverId": "3", "name": "Driver3", "phone": "9867180007", "vehicleType": "SUV", "vehiclePlate": "KA95QQ7883", "active": false}, {"driverId": "4", "name": "Driver4", "phone": "9101752240", "vehicleType": "Auto", "vehiclePlate": "KA87RS3232", "active": false}, {"driverId": "5", "name": "Driver5", "phone": "9931750035", "vehicleType": "SUV", "vehiclePlate": "KA65PZ2121", "active": true}, {"driverId": "6", "name": "Driver6", "phone": "9931750035", "vehicleType": "Hatchback", "vehiclePlate": "KA65PZ2121", "active": false}, {"driverId": "7", "name": "Driver7", "phone": "9395405264", "vehicleType": "SUV", "vehiclePlate": "KA05EJ4A010", "active": false}, {"driverId": "8", "name": "Driver8", "phone": "9593863051", "vehicleType": "Sedan", "vehiclePlate": "KA67EB5215", "active": true}, {"driverId": "9", "name": "Driver9", "phone": "9610089761", "vehicleType": "Bike", "vehiclePlate": "KA65HK5901", "active": false}, {"driverId": "10", "name": "Driver10", "phone": "9388667223", "vehicleType": "Auto", "vehiclePlate": "KA52LT3513", "active": false}, {"driverId": "11", "name": "Driver11", "phone": "9912408611", "vehicleType": "Hatchback", "vehiclePlate": "KA16WL6251", "active": true}, {"driverId": "12", "name": "Driver12", "phone": "934461236", "vehicleType": "Hatchback", "vehiclePlate": "KA42XW1990", "active": false}, {"driverId": "13", "name": "Driver13", "phone": "9224690783", "vehicleType": "SUV", "vehiclePlate": "KA05EJ4A010", "active": true}, {"driverId": "14", "name": "Driver14", "phone": "9224690783", "vehicleType": "SUV", "vehiclePlate": "KA05EJ4A010", "active": false}, {"driverId": "15", "name": "Driver15", "phone": "9593863051", "vehicleType": "Hatchback", "vehiclePlate": "KA83NF8487", "active": true}, 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{"driverId": "46", "name": "Driver46", "phone": "9975021149", "vehicleType": "Bike", "vehiclePlate": "KA16FM4344", "active": true}
```

3.2 http://localhost:8082/v1/drivers/1

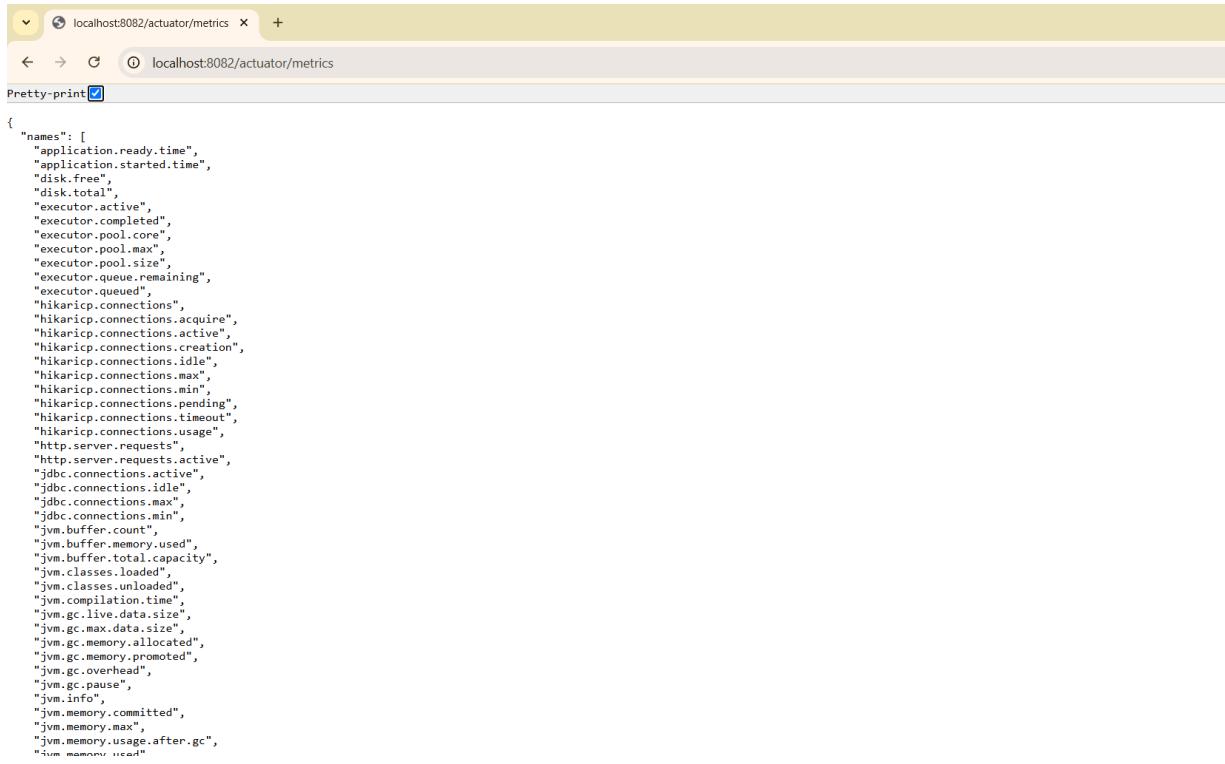


```
Pretty-print □

{"driverId": "1", "name": "Driver1", "phone": "9743818976", "vehicleType": "Bike", "vehiclePlate": "KA98DX4733", "active": false}
```

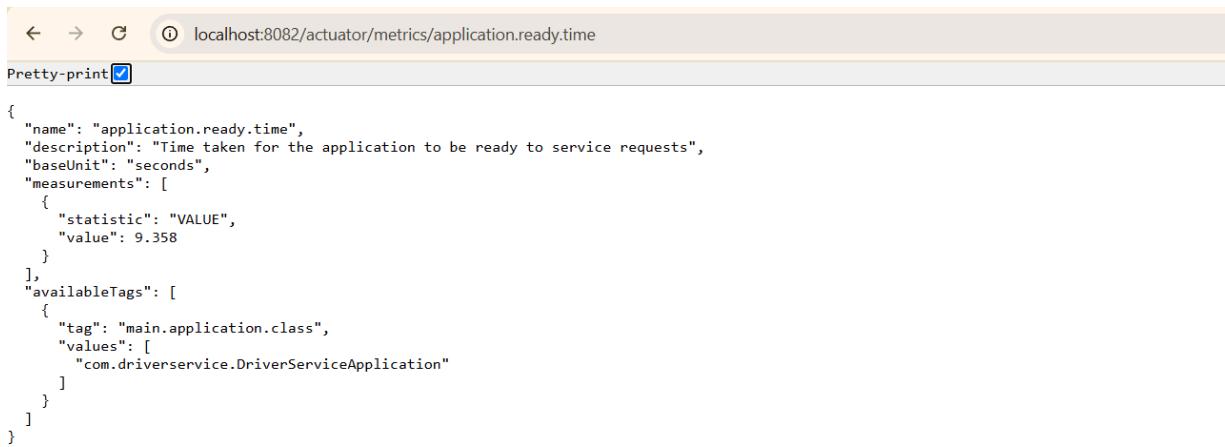
4.Monitoring and Logging :

4.1 Service Metrics



Pretty-print

```
{ "names": [ "application.ready.time", "application.started.time", "disk.free", "disk.total", "executor.active", "executor.completed", "executor.pool.core", "executor.pool.max", "executor.pool.size", "executor.queue.remaining", "executor.queued", "hikaricp.connections", "hikaricp.connections.acquire", "hikaricp.connections.active", "hikaricp.connections.creation", "hikaricp.connections.idle", "hikaricp.connections.max", "hikaricp.connections.min", "hikaricp.connections.pending", "hikaricp.connections.timeout", "hikaricp.connections.usage", "http.server.requests", "http.server.requests.active", "jdbc.connections.active", "jdbcs.connections.idle", "jdbcs.connections.max", "jdbcs.connections.min", "jvm.buffer.count", "jvm.buffer.memory.used", "jvm.buffer.total.capacity", "jvm.classes.loaded", "jvm.classes.unloaded", "jvm.compilation.time", "jvm.gc.live.data.size", "jvm.gc.max.data.size", "jvm.gc.memory.allocated", "jvm.gc.memory.promoted", "jvm.gc.overhead", "jvm.gc.pause", "jvm.info", "jvm.memory.committed", "jvm.memory.max", "jvm.memory.usage.after.gc", "jvm.memory.used" ] }
```



Pretty-print

```
{ "name": "application.ready.time", "description": "Time taken for the application to be ready to service requests", "baseUnit": "seconds", "measurements": [ { "statistic": "VALUE", "value": 9.358 } ], "availableTags": [ { "tag": "main.application.class", "values": [ "com.diverservice.DriverServiceApplication" ] } ] }
```

4.2 Database Logs :

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- > Casts
- > Catalogs (2)
- > Event Triggers
- > Extensions
- > Foreign Data Wrappers
- > Languages (1)
- > Publications
- > Schemas (1)
 - > public
 - > Aggregates
 - > Collations
 - > Domains
 - > FTS Configurations
 - > FTS Dictionaries
 - > FTS Parsers
 - > FTS Templates
 - > Foreign Tables
 - > Functions
 - > Materialized Views
 - > Operators
 - > Procedures
 - > Sequences
 - > Tables
 - > Trigger Functions
 - > Types
 - > Views
 - > Subscriptions
- > postgres
- > rider_db
- > Login/Group Roles
- > Tablespaces

Dependents > CampusGearDB/p... > rider_db/postgres... > driver_db/postgres... > driver_db/postgres@PostgreSQL 17*

driver_db/postgres@PostgreSQL 17

No limit

Query Query History

Scratch Pad

1 select * from public.drivers;

Data Output Messages Notifications

SQL

Showing rows: 1 to 70 Page No: 1 of 1 CRLF L

driver_id	[PK] character varying (50)	name	character varying (100)	phone	character varying (15)	vehicle_type	character varying (50)	vehicle_plate	character varying (20)	is_active	boolean
1	1	Driver1		9743818976		Bike		KA98DX4733		false	
2	2	Driver2		9857811574		Hatchback		KA13TB615		true	
3	3	Driver3		9807180007		SUV		KA95QQ7883		false	
4	4	Driver4		9101752240		Auto		KA87RS3232		false	
5	5	Driver5		9331760835		SUV		KA65SH2215		true	
6	6	Driver6		9750242404		Hatchback		KA94BO6223		true	
7	7	Driver7		9395405264		Sedan		KA95EJ4447		false	
8	8	Driver8		9503863051		Sedan		KA67EB5215		true	
9	9	Driver9		9610089761		Bike		KA65HK5901		false	

Total rows: 70 Query complete 00:00:00.363