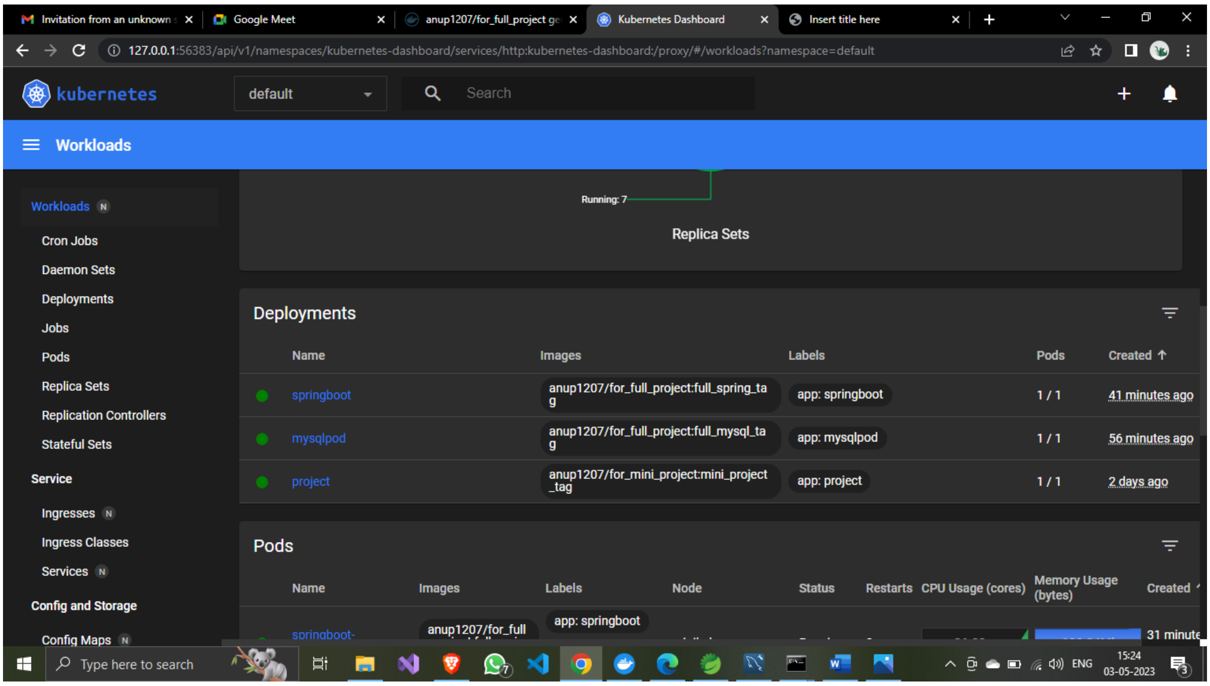
Name – Anup Vitthal Kore

Topic – Spring-boot + MYSQL on K8N

Date – 03-05-2023

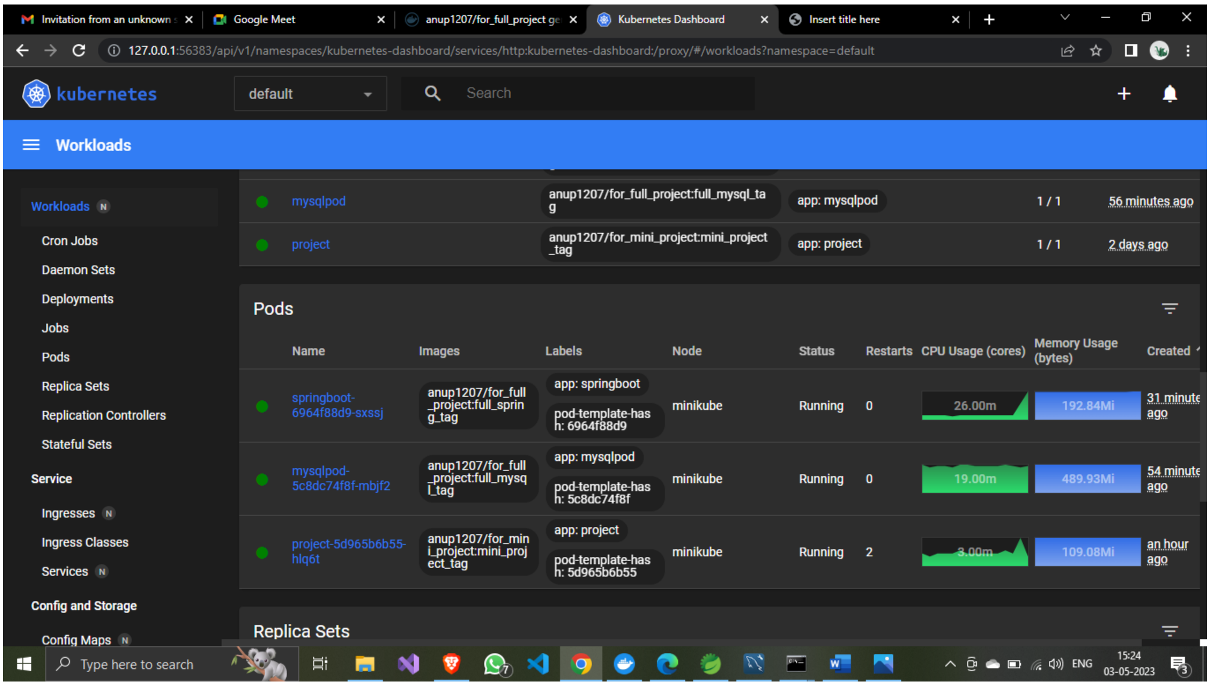

Invitation from an unknown
Google Meet
anup1207/for_full_project ge
Kubernetes Dashboard
Insert title here
127.0.0.1:56383/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?namespace=default
kubernetes
default
Search
Workloads
Workloads N
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses N
Ingress Classes
Services N
Config and Storage
Config Maps N
Running: 7
Replica Sets
Type here to search
ENG
15:24
03-05-2023

Deployments

Name	Images	Labels	Pods	Created ↑
● springboot	anup1207/for_full_project:full_spring_tag	app: springboot	1 / 1	41 minutes ago
● mysqlpod	anup1207/for_full_project:full_mysql_tag	app: mysqlpod	1 / 1	56 minutes ago
● project	anup1207/for_mini_project:mini_project_tag	app: project	1 / 1	2 days ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
springboot-	anup1207/for_full	app: springboot						31 minute

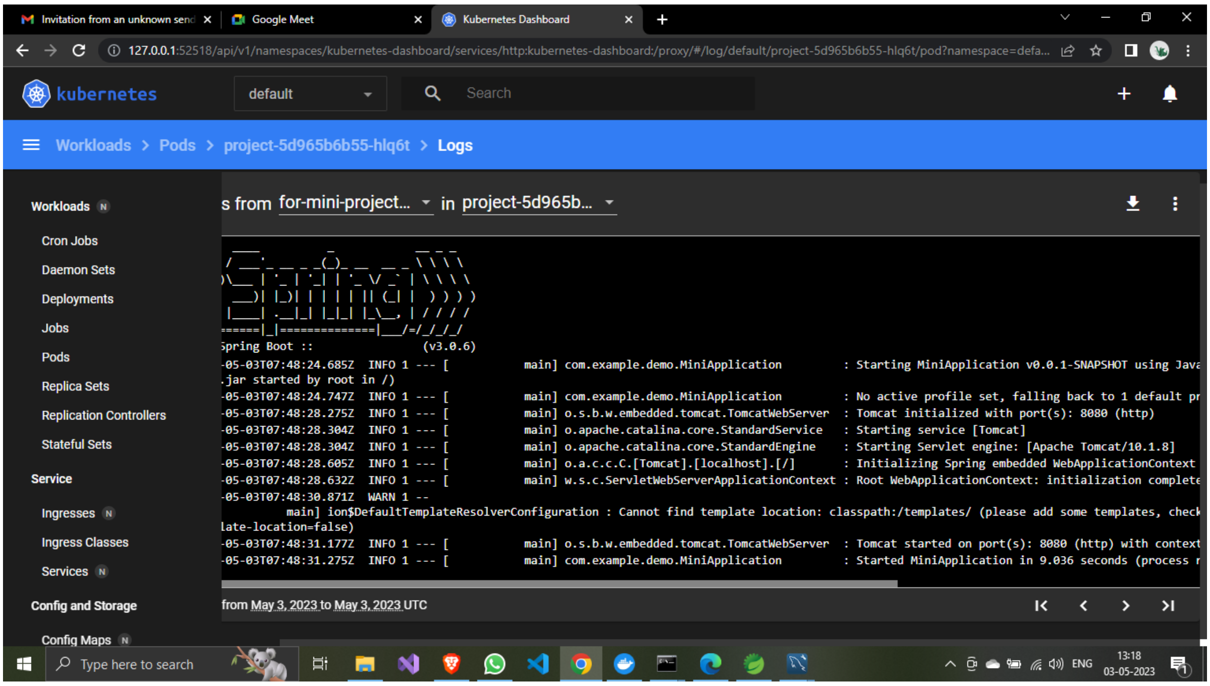

Invitation from an unknown
Google Meet
anup1207/for_full_project ge
Kubernetes Dashboard
Insert title here
127.0.0.1:56383/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?namespace=default
kubernetes
default
Search
Workloads
Workloads N
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses N
Ingress Classes
Services N
Config and Storage
Config Maps N
Type here to search
ENG
15:24
03-05-2023

● mysqlpod	anup1207/for_full_project:full_mysql_tag	app: mysqlpod	1 / 1	56 minutes ago
● project	anup1207/for_mini_project:mini_project_tag	app: project	1 / 1	2 days ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
● springboot-6964f88d9-sxssj	anup1207/for_full_project:full_spring_tag	app: springboot pod-template-hash: 6964f88d9	minikube	Running	0	26.00m	192.84Mi	31 minute ago
● mysqlpod-5c8dc74f8f-mbjf2	anup1207/for_full_project:full_mysql_tag	app: mysqlpod pod-template-hash: 5c8dc74f8f	minikube	Running	0	19.00m	489.93Mi	54 minute ago
● project-5d965b6b55-hlq6t	anup1207/for_mini_project:mini_project_tag	app: project pod-template-hash: 5d965b6b55	minikube	Running	2	3.00m	109.08Mi	an hour ago

Replica Sets


Invitation from an unknown send
Google Meet
Kubernetes Dashboard
127.0.0.1:52518/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/log/default/project-5d965b6b55-hlq6t/pod?namespace=defa...
kubernetes
default
Search
Workloads > Pods > project-5d965b6b55-hlq6t > Logs
Workloads N
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses N
Ingress Classes
Services N
Config and Storage
Config Maps N
s from for-mini-project... in project-5d965b...
from May 3, 2023 to May 3, 2023 UTC
Type here to search
ENG
13:18
03-05-2023

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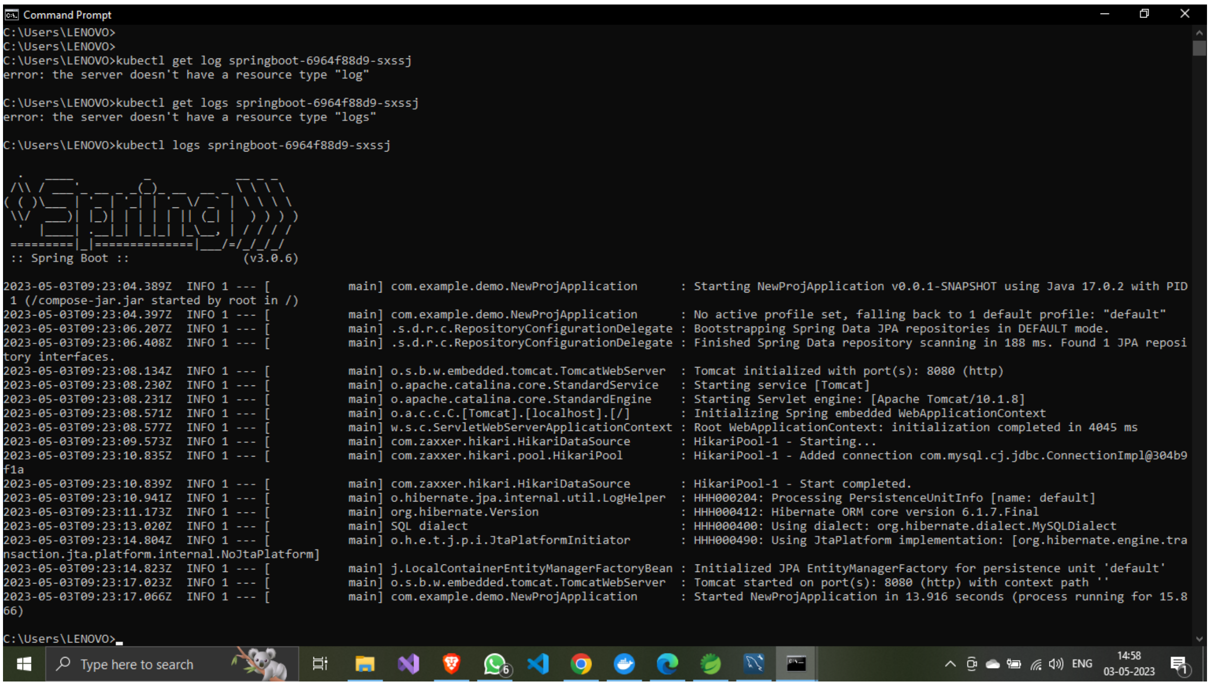
|____| .__|_| |_|_| |_\__, | / / / /
======|_|==============|___/=/_/_/_/
Spring Boot ::                (v3.0.6)
-05-03T07:48:24.685Z  INFO 1 --- [           main] com.example.demo.MiniApplication        : Starting MiniApplication v0.0.1-SNAPSHOT using Java
.jar started by root in /)
-05-03T07:48:24.747Z  INFO 1 --- [           main] com.example.demo.MiniApplication        : No active profile set, falling back to 1 default pr
-05-03T07:48:28.275Z  INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 8080 (http)
-05-03T07:48:28.304Z  INFO 1 --- [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
-05-03T07:48:28.304Z  INFO 1 --- [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apache Tomcat/10.1.8]
-05-03T07:48:28.605Z  INFO 1 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
-05-03T07:48:28.632Z  INFO 1 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization complete
-05-03T07:48:30.871Z  WARN 1 --
         main] ion$DefaultTemplateResolverConfiguration : Cannot find template location: classpath:/templates/ (please add some templates, check
late-location=false)
-05-03T07:48:31.177Z  INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 8080 (http) with context
-05-03T07:48:31.275Z  INFO 1 --- [           main] com.example.demo.MiniApplication        : Started MiniApplication in 9.036 seconds (process r
```


Command Prompt
Type here to search
ENG
14:58
03-05-2023

```
C:\Users\LENOVO>
C:\Users\LENOVO>
C:\Users\LENOVO>kubectl get log springboot-6964f88d9-sxssj
error: the server doesn't have a resource type "log"

C:\Users\LENOVO>kubectl get logs springboot-6964f88d9-sxssj
error: the server doesn't have a resource type "logs"

C:\Users\LENOVO>kubectl logs springboot-6964f88d9-sxssj

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
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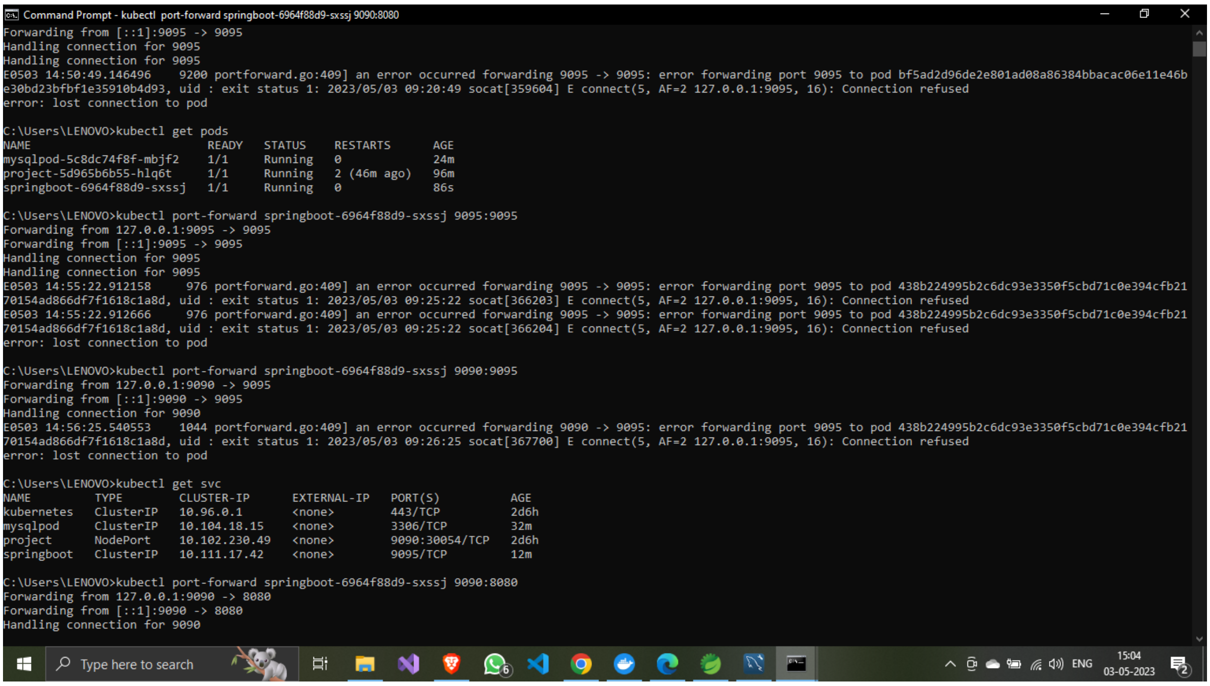
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v3.0.6)

2023-05-03T09:23:04.389Z  INFO 1 --- [           main] com.example.demo.NewProjApplication      : Starting NewProjApplication v0.0.1-SNAPSHOT using Java 17.0.2 with PID
 1 (/compose-jar.jar started by root in /)
2023-05-03T09:23:04.397Z  INFO 1 --- [           main] com.example.demo.NewProjApplication      : No active profile set, falling back to 1 default profile: "default"
2023-05-03T09:23:06.207Z  INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2023-05-03T09:23:06.408Z  INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 188 ms. Found 1 JPA reposi
tory interfaces.
2023-05-03T09:23:08.134Z  INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 8080 (http)
2023-05-03T09:23:08.230Z  INFO 1 --- [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2023-05-03T09:23:08.231Z  INFO 1 --- [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apache Tomcat/10.1.8]
2023-05-03T09:23:08.571Z  INFO 1 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2023-05-03T09:23:08.577Z  INFO 1 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 4045 ms
2023-05-03T09:23:09.573Z  INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2023-05-03T09:23:10.835Z  INFO 1 --- [           main] com.zaxxer.hikari.pool.HikariPool        : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@304b9
f1a
2023-05-03T09:23:10.839Z  INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2023-05-03T09:23:10.941Z  INFO 1 --- [           main] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [name: default]
2023-05-03T09:23:11.173Z  INFO 1 --- [           main] org.hibernate.Version                    : HHH000412: Hibernate ORM core version 6.1.7.Final
2023-05-03T09:23:13.020Z  INFO 1 --- [           main] SQL dialect                              : HHH000400: Using dialect: org.hibernate.dialect.MySQLDialect
2023-05-03T09:23:14.804Z  INFO 1 --- [           main] o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.tra
nsaction.jta.platform.internal.NoJtaPlatform]
2023-05-03T09:23:14.823Z  INFO 1 --- [           main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2023-05-03T09:23:17.023Z  INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 8080 (http) with context path ''
2023-05-03T09:23:17.066Z  INFO 1 --- [           main] com.example.demo.NewProjApplication      : Started NewProjApplication in 13.916 seconds (process running for 15.8
66)

C:\Users\LENOVO>_
```



Command Prompt - kubectl port-forward springboot-6964f88d9-sxssj 9090:8080

```
Forwarding from [::1]:9095 -> 9095
Handling connection for 9095
Handling connection for 9095
E0503 14:50:49.146496    9200 portforward.go:409] an error occurred forwarding 9095 -> 9095: error forwarding port 9095 to pod bf5ad2d96de2e801ad08a86384bbacac06e11e46b
e30bd23bfbf1e35910b4d93, uid : exit status 1: 2023/05/03 09:20:49 socat[359604] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
error: lost connection to pod

C:\Users\LENOVO>kubectl get pods
NAME                         READY   STATUS    RESTARTS      AGE
mysqlpod-5c8dc74f8f-mbjf2    1/1     Running   0             24m
project-5d965b6b55-hlq6t     1/1     Running   2 (46m ago)   96m
springboot-6964f88d9-sxssj   1/1     Running   0             86s

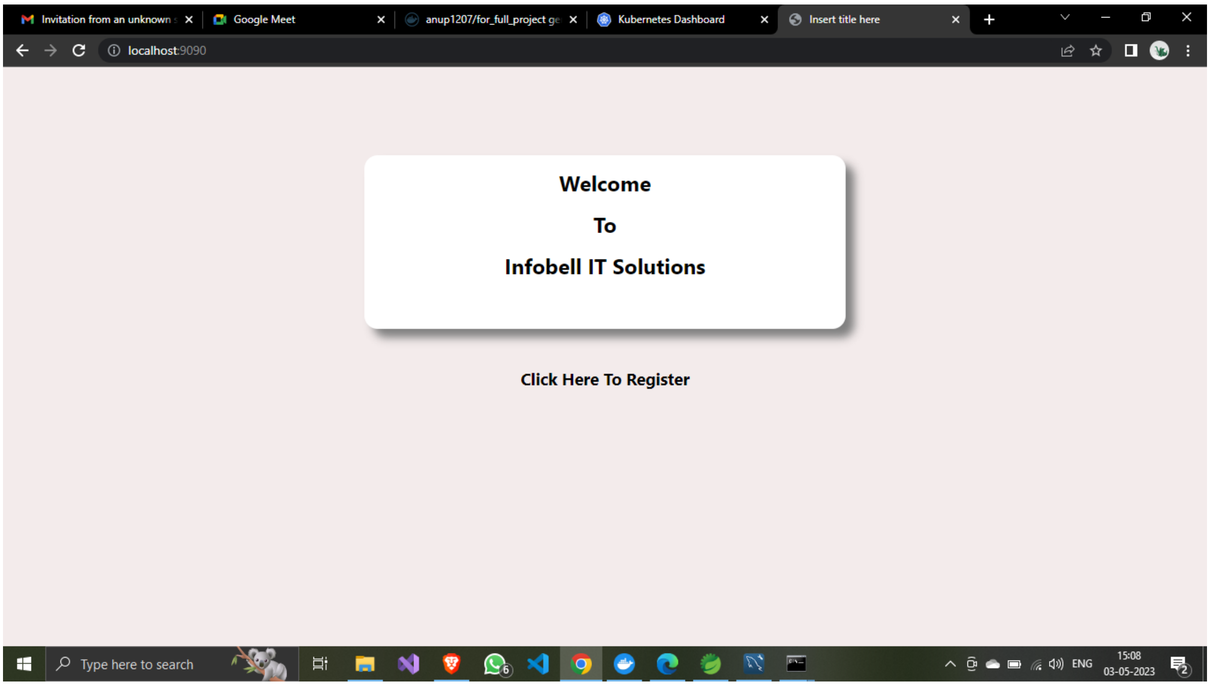
C:\Users\LENOVO>kubectl port-forward springboot-6964f88d9-sxssj 9095:9095
Forwarding from 127.0.0.1:9095 -> 9095
Forwarding from [::1]:9095 -> 9095
Handling connection for 9095
Handling connection for 9095
E0503 14:55:22.912158     976 portforward.go:409] an error occurred forwarding 9095 -> 9095: error forwarding port 9095 to pod 438b224995b2c6dc93e3350f5cbd71c0e394cfb21
70154ad866df7f1618c1a8d, uid : exit status 1: 2023/05/03 09:25:22 socat[366203] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
E0503 14:55:22.912666     976 portforward.go:409] an error occurred forwarding 9095 -> 9095: error forwarding port 9095 to pod 438b224995b2c6dc93e3350f5cbd71c0e394cfb21
70154ad866df7f1618c1a8d, uid : exit status 1: 2023/05/03 09:25:22 socat[366204] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
error: lost connection to pod

C:\Users\LENOVO>kubectl port-forward springboot-6964f88d9-sxssj 9090:9095
Forwarding from 127.0.0.1:9090 -> 9095
Forwarding from [::1]:9090 -> 9095
Handling connection for 9090
E0503 14:56:25.540553    1044 portforward.go:409] an error occurred forwarding 9090 -> 9095: error forwarding port 9095 to pod 438b224995b2c6dc93e3350f5cbd71c0e394cfb21
70154ad866df7f1618c1a8d, uid : exit status 1: 2023/05/03 09:26:25 socat[367700] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
error: lost connection to pod

C:\Users\LENOVO>kubectl get svc
NAME         TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP          2d6h
mysqlpod     ClusterIP   10.104.18.15    <none>        3306/TCP         32m
project      NodePort    10.102.230.49   <none>        9090:30054/TCP   2d6h
springboot   ClusterIP   10.111.17.42    <none>        9095/TCP         12m

C:\Users\LENOVO>kubectl port-forward springboot-6964f88d9-sxssj 9090:8080
Forwarding from 127.0.0.1:9090 -> 8080
Forwarding from [::1]:9090 -> 8080
Handling connection for 9090
```

Type here to search
ENG
15:04
03-05-2023



Invitation from an unknown
Google Meet
anup1207/for_full_project ge
Kubernetes Dashboard
Insert title here
localhost:9090

Welcome

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ENG
15:08
03-05-2023