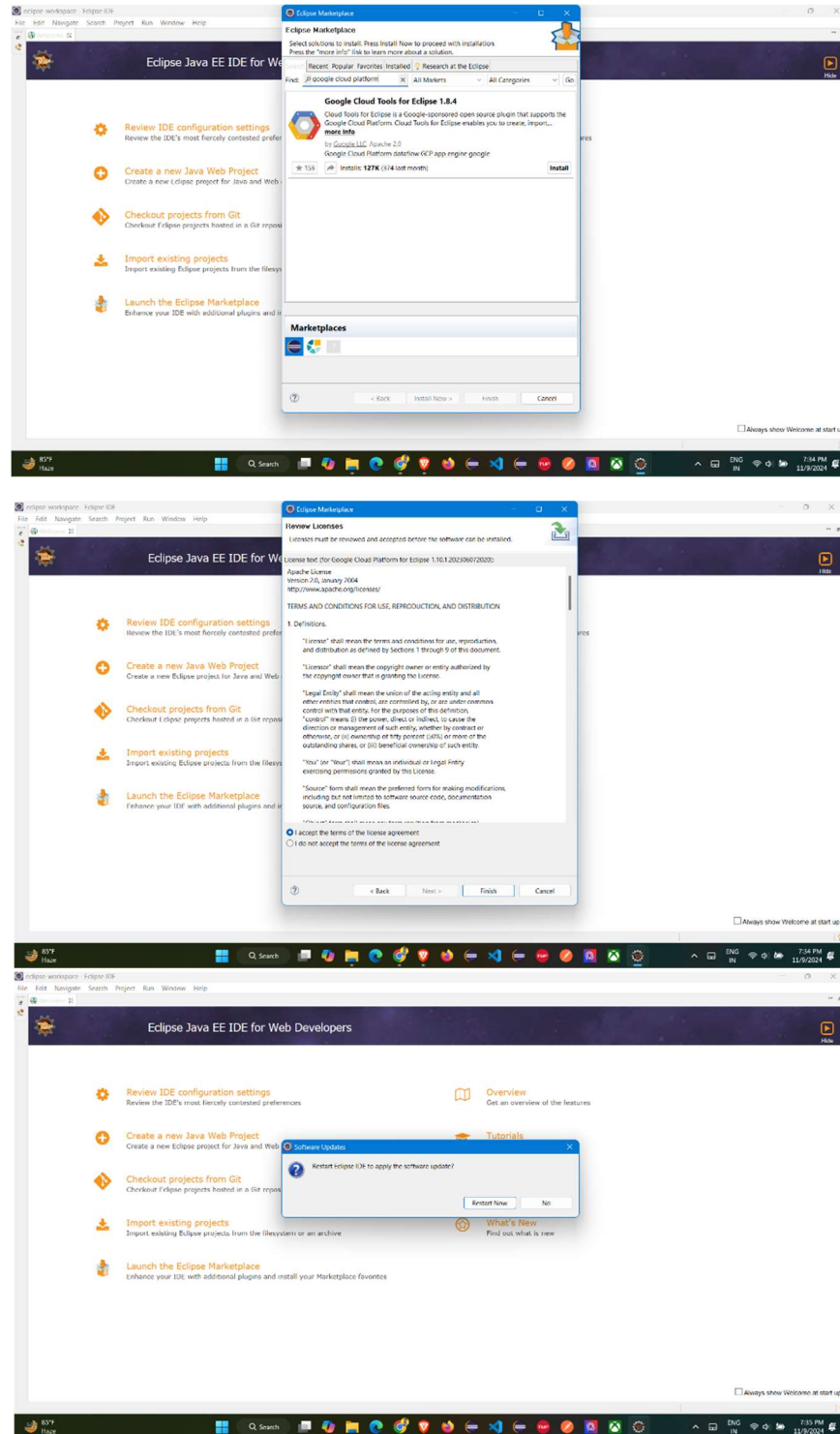


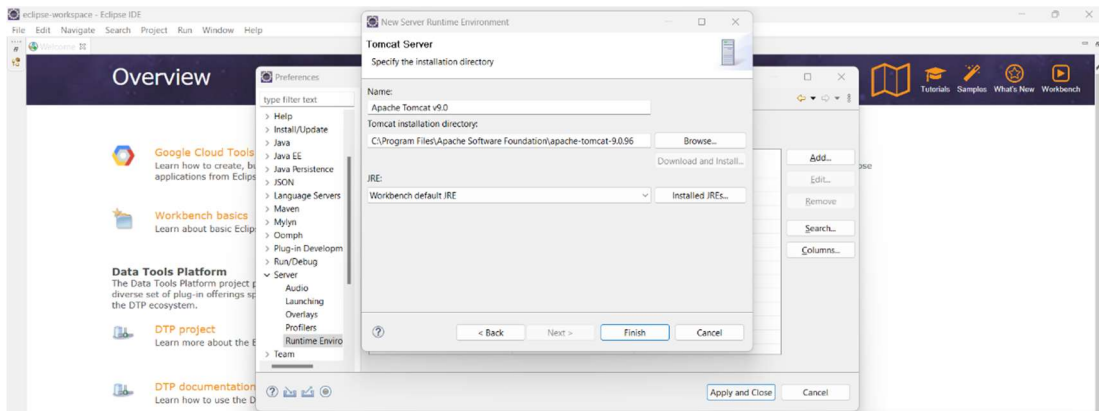
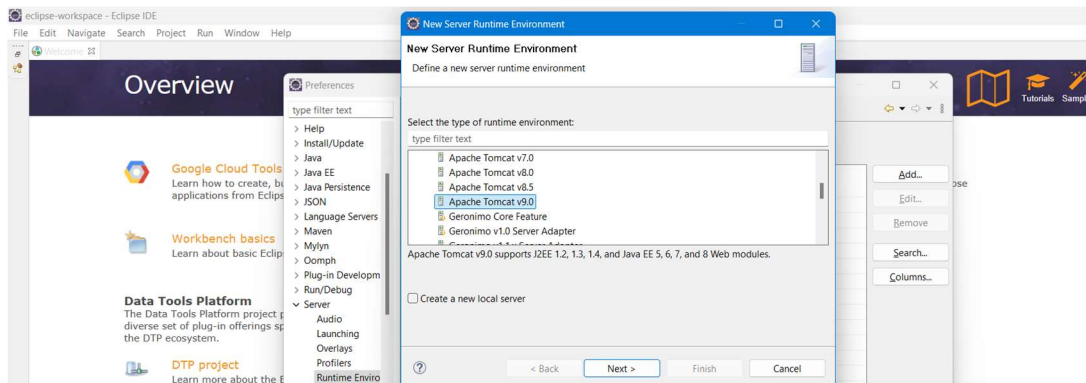
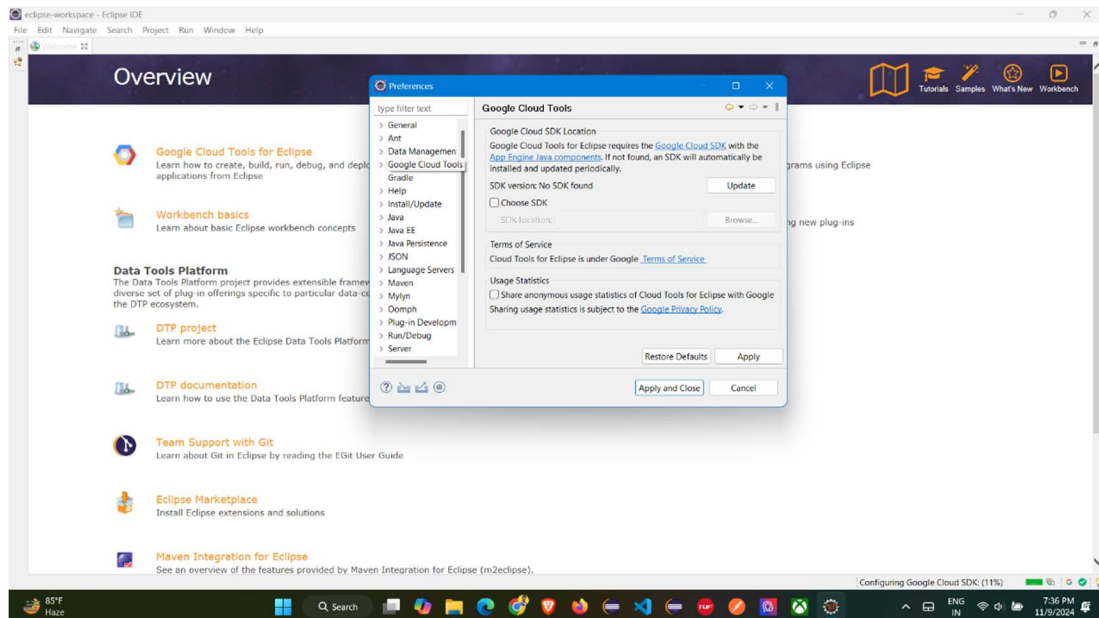
Google App Engine project using Eclipse IDE. The process involves installing the required Google Cloud Tools, configuring your server runtime environment, creating a Google App Engine project, and running it.

Step 1: Install Google Cloud Tools for Eclipse

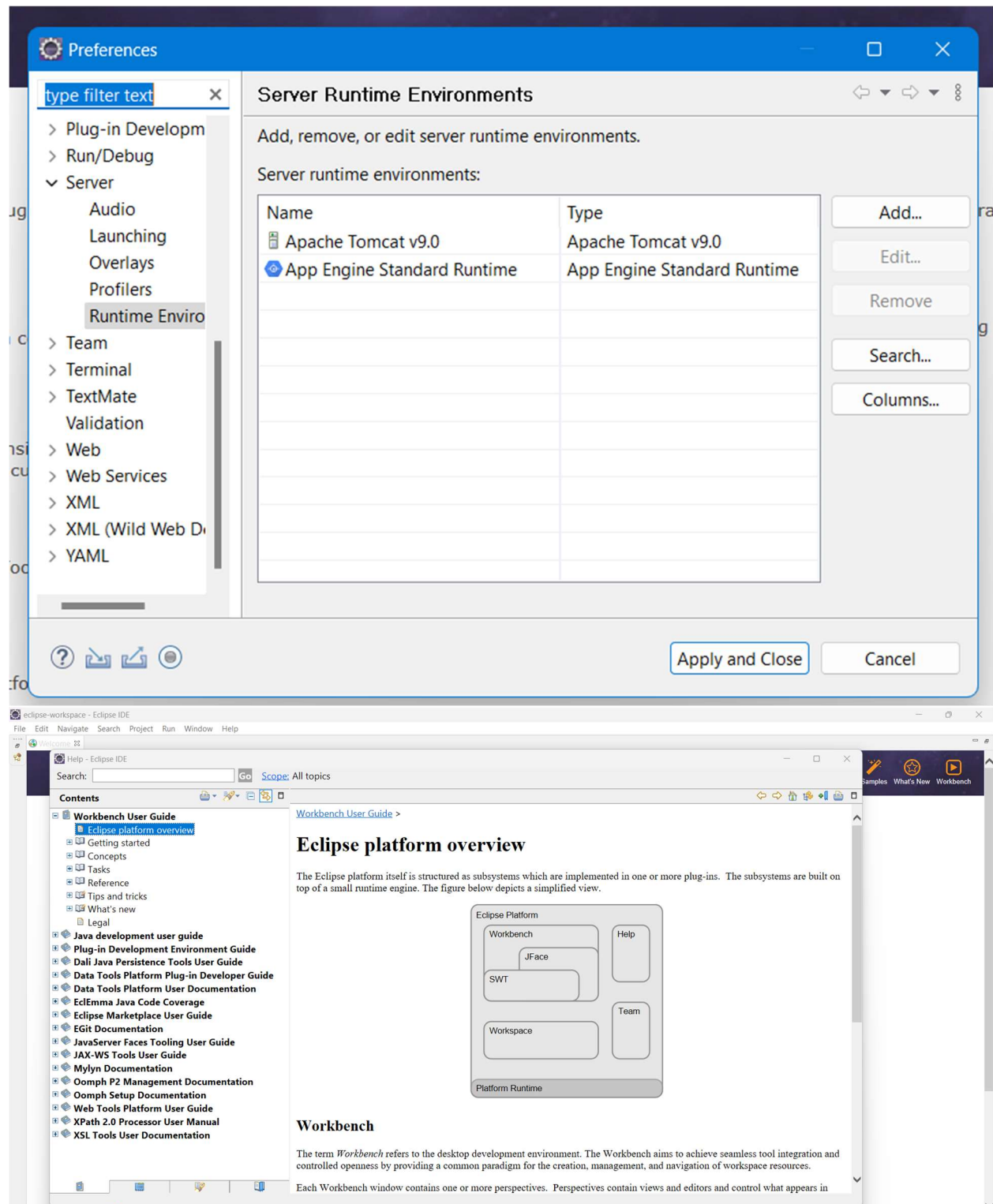


Step 2: Verify Installation using Windows -> Preferences -> Google Cloud Platform

Check if the SDK Version is 500.0.0 or higher.



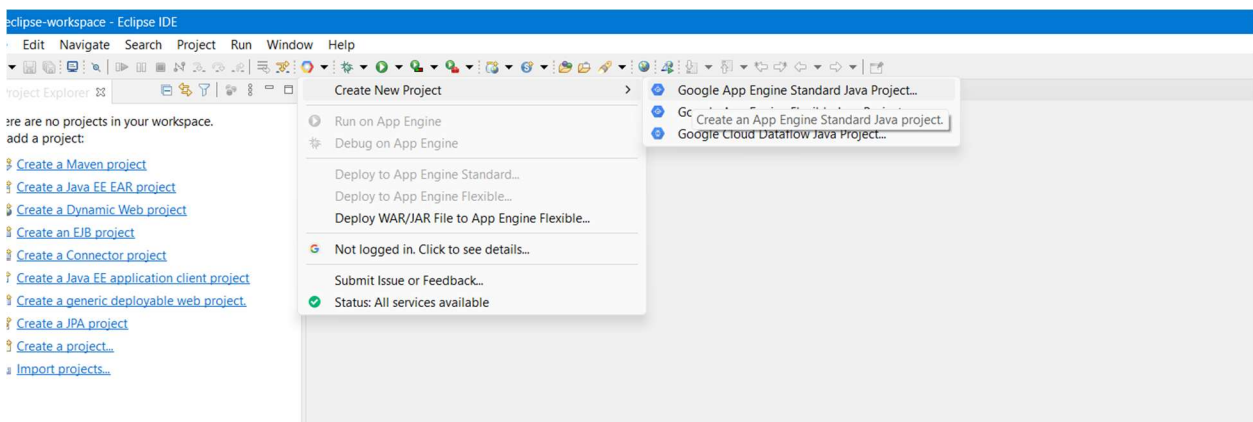
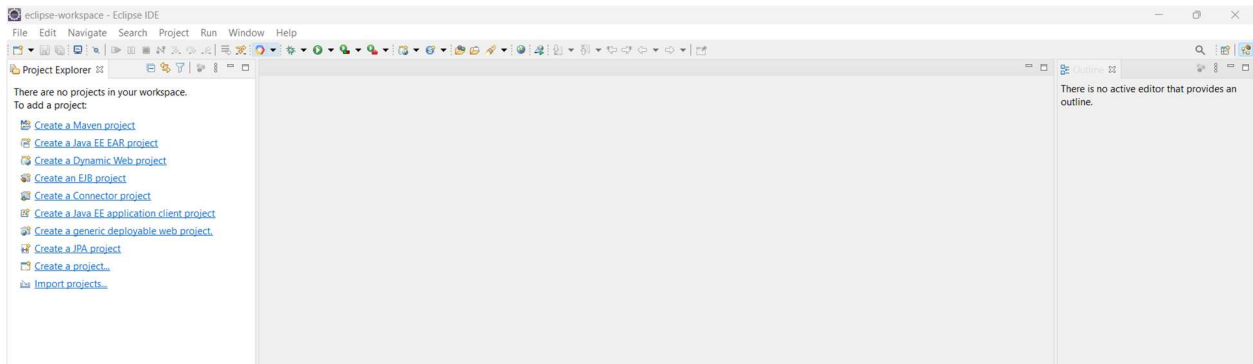
Step 3: Configure Apache Tomcat Server Runtime, In the preferences window, navigate to Server > Runtime Environments. Look for Apache Tomcat v9.0 in the list.



Step 4: Install JDK and JRE 1.8

Name	Date modified	Type	Size
jdk-17	8/1/2024 9:22 AM	File folder	
jdk-21	8/1/2024 9:20 AM	File folder	
jre-1.8	7/22/2024 11:04 AM	File folder	

Step 5: Create a Google App Engine Standard Java Project



In Eclipse, go to Google Cloud Platform in the top menu.

Select Create New Project from the dropdown.

Choose Google App Engine Standard Java Project.

Assign a name to your project and specify a Java package.

New App Engine Standard Project

App Engine Standard Project

Create a new Eclipse project for App Engine standard environment development.

Project name: GoogleCloud

☒ Use default location

Location: C:\Users\omkar\eclipse-workspace\GoogleCloud Browse...

Java version: Java 8, Servlet 3.1

Java package: in.ac.famt

App Engine service: default

☐ Create as Maven project

Maven project coordinates

Group ID:

Artifact ID:

Version: 0.1.0-SNAPSHOT

? < Back Next > Finish Cancel

Select App Engine API for the project.

New App Engine Standard Project

Google Cloud Platform Libraries


Additional jars for applications using Google Cloud Platform

App Engine Standard Libraries

- ☒ App Engine API
- ☐ Google Cloud Endpoints
- ☐ Objectify

Cloud Client Libraries for Java

- ☐ BigQuery API
- ☐ BigQuery Data Transfer API
- ☐ Cloud Asset API
- ☐ Cloud Auto ML API
- ☐ Cloud Container Analysis API
- ☐ Cloud Data Loss Prevention
- ☐ Cloud Datastore
- ☐ Cloud DNS
- ☐ Cloud Firestore
- ☐ Cloud KMS
- ☐ Cloud Natural Language
- ☐ Cloud OS Login
- ☐ Cloud Pub/Sub
- ☐ Cloud Redis
- ☐ Cloud Resource Manager
- ☐ Cloud Scheduler
- ☐ Cloud Security Scanner
- ☐ Cloud Spanner
- ☐ Cloud Speech
- ☐ Cloud Storage
- ☐ Cloud Talent Solution
- ☐ Cloud Tasks
- ☐ Cloud Translation
- ☐ Cloud Video Intelligence
- ☐ Cloud Vision
- ☐ Dialogflow
- ☐ IoT Core
- ☐ Kubernetes
- ☐ Phishing Protection
- ☐ CAPTCHA Enterprise

 < Back Next > Finish Cancel

Step 6: Add Apache Tomcat as Server Runtime

New App Engine Standard Project

App Engine Standard Project

Create a new Eclipse project for App Engine standard environment development.

Project name:

☒ Use default location

Location:

Java version:

Java package:

App Engine service:

☐ Create as Maven project

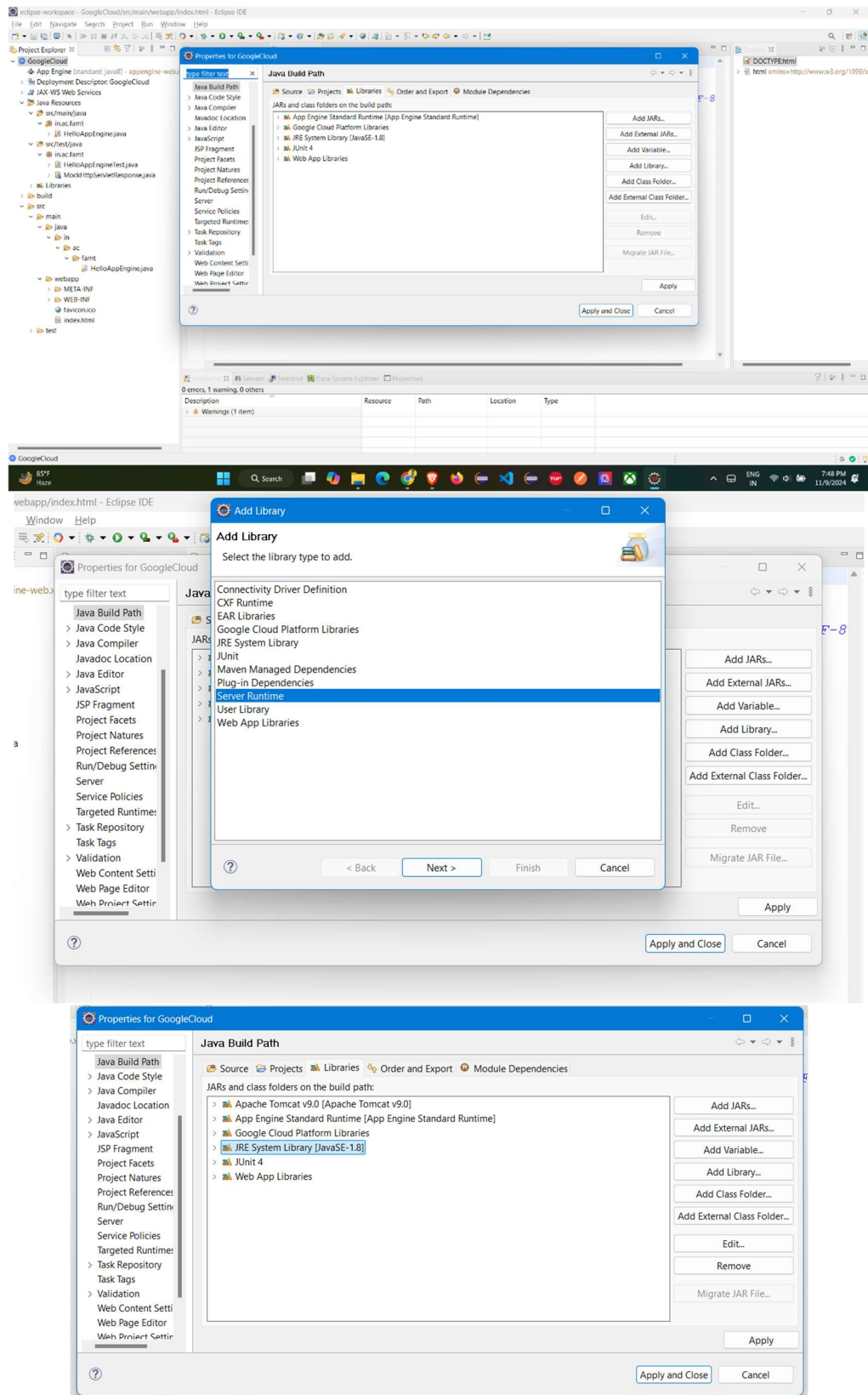
Maven project coordinates

Group ID:

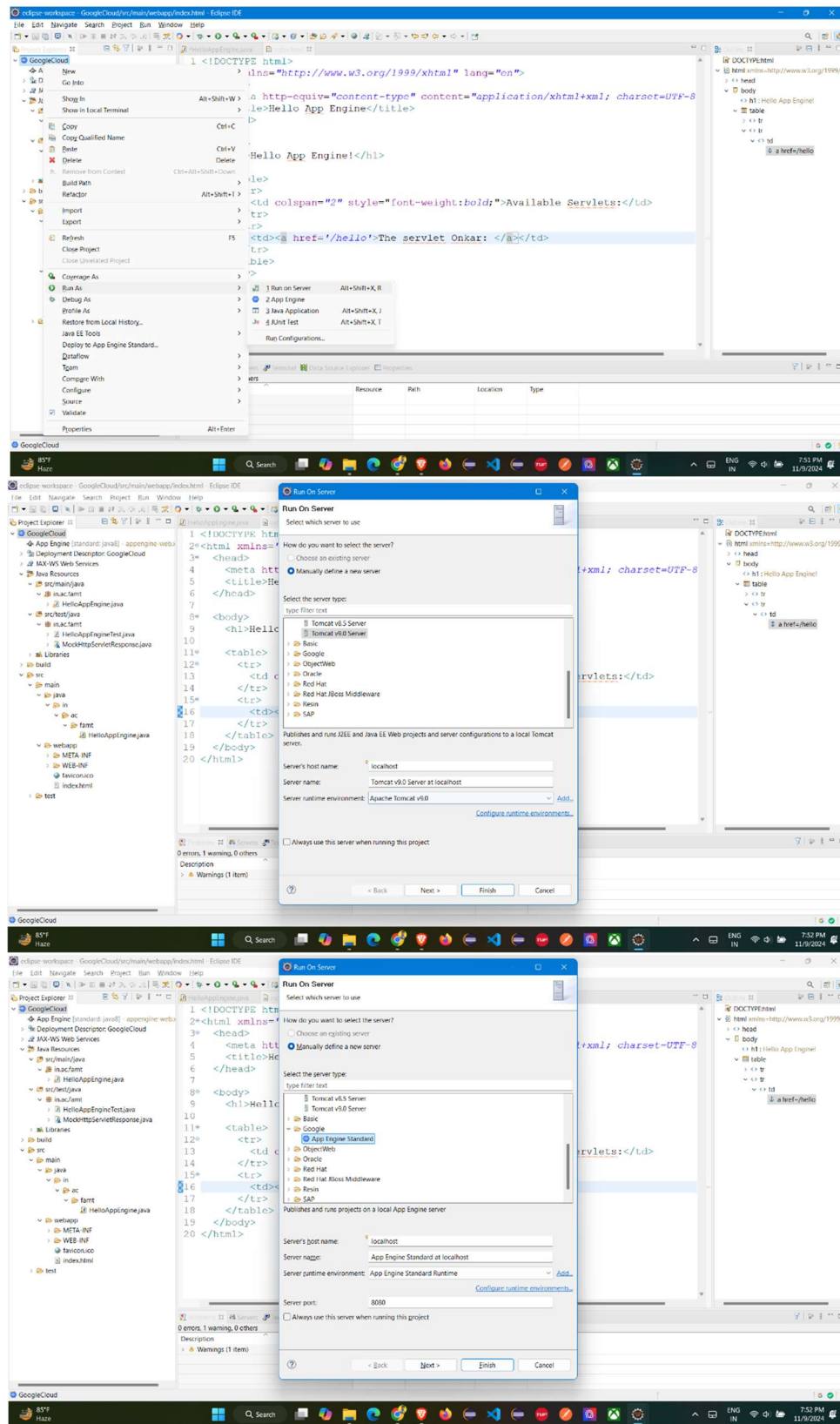
Artifact ID:

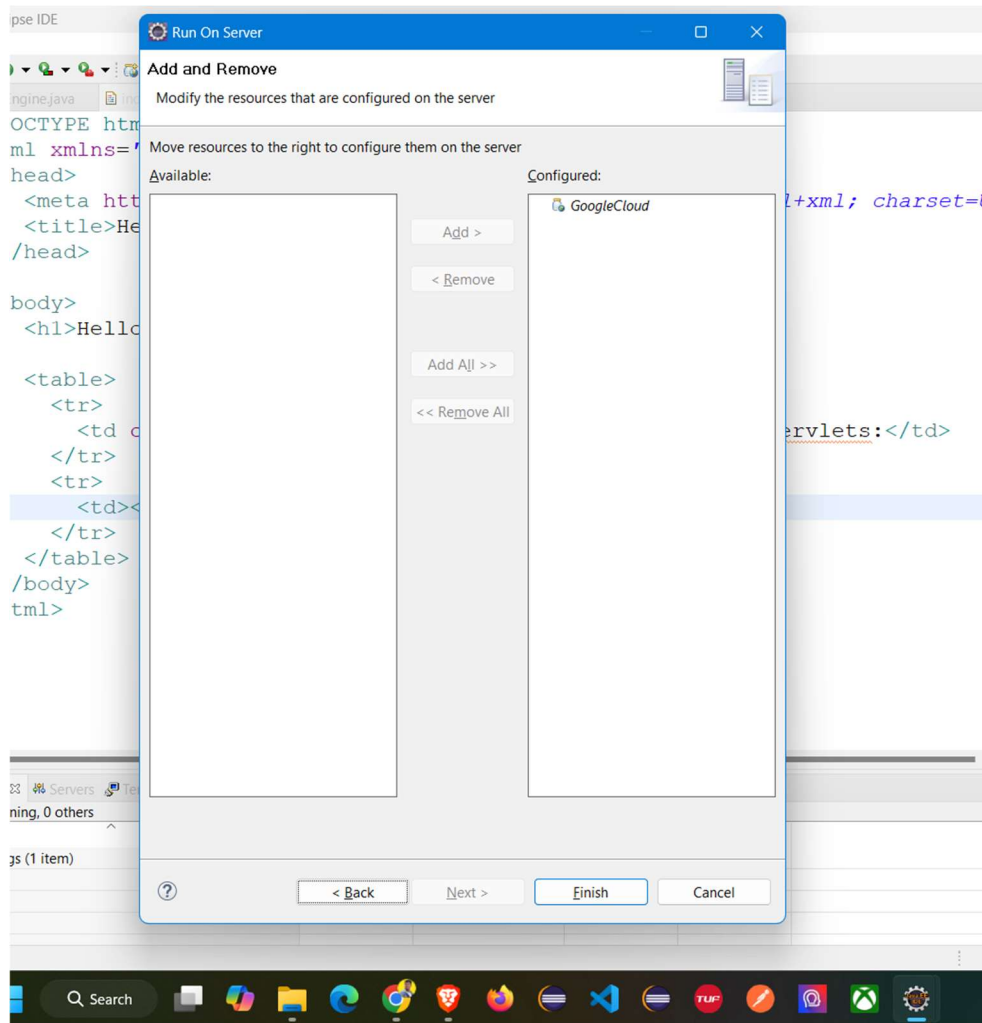
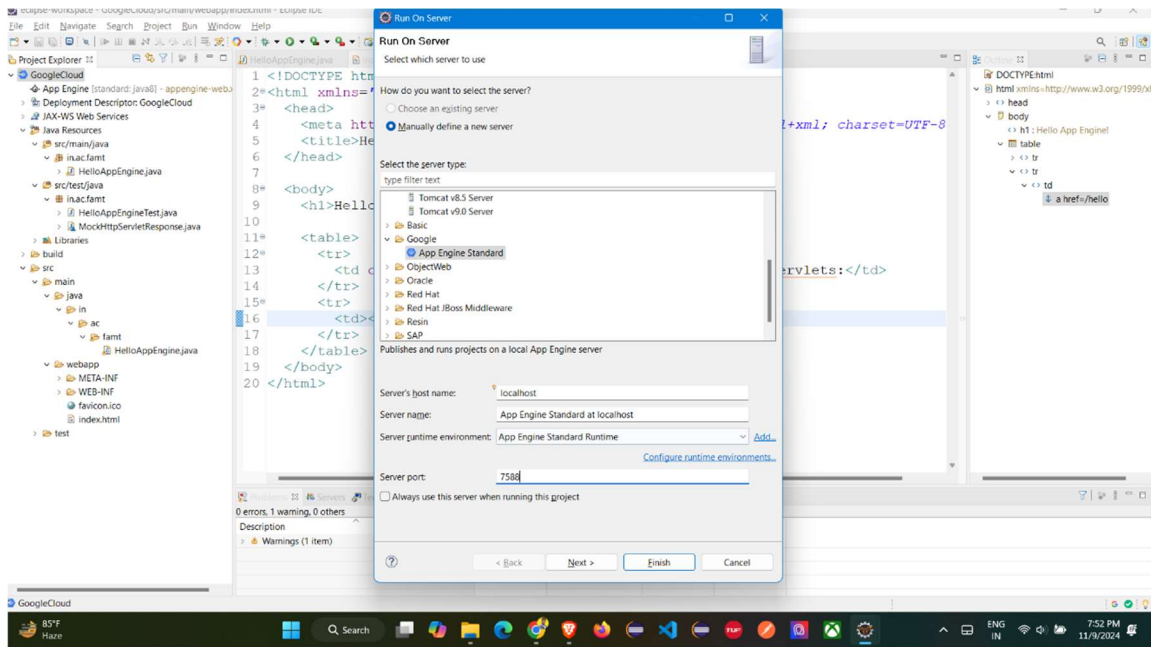
Version:

Step 7: Verify and Set JRE System Library



Step 8: Run the Application on App Engine





Step 9: Deploy the Application

