**ASSIGNMENT NO.1**

**1.** Install Google App Engine. Create hello world app and other simple web applications using

Python/java.

**What is google app engine?**

Google App Engine is a platform by Google Cloud that simplifies web application development and hosting. It manages the infrastructure, automatically scales applications, supports various programming languages like Python and Java, integrates with Google Cloud services, and offers development tools for streamlined deployment. With built-in security features and compliance certifications, it ensures application security and regulatory compliance. Additionally, it provides both standard and flexible environments, catering to different application requirements and allowing developers to focus on coding while Google handles the backend complexities.

STEPS TO FOLLOW :

1. Go to Google.

2. Search for "Google Cloud Console."

3. Sign in.

4. Click the three lines menu on the left.

5. Select "Cloud Overview & Dashboard."

6. Choose "Create New Project" from the dropdown menu.

7. Give your project a name.

8. Leave location and organization as they are.

9. Enable at least one project.

10. Search for "Admin API."

11. Click on "App Engine Admin API."

12. Enable the API.

13. Activate Cloud Shell on the right.

14. Go to GitHub.

15. Log in or sign in.

16. Create a project and add a file.

17. Copy the path of the code file.

18. Keep the URL as HTTPS and copy it.

19. Go back to Cloud Shell.

20. Type "git clone."

21. If you've cloned before, remove the previous one: "rm -rf <directory name>," then "cd <directory name>," and again "rm -rf <directory name>." Use "ls" to confirm it's removed.

22. Clone the GitHub repo with "git clone <link of GitHub repo>."

23. Copy the code.

24. To see files, type "ls."

25. Navigate to the directory with "cd <directory>." For example, ">Python <script.py>" to execute a Python script named "<script.py>" and see "Hello" printed.

OUTPUTS :

<Images of actual implementation>

CONCLUSION :

Completing this assignment will give you hands-on experience with Google Cloud Platform, including Google App Engine and GitHub. You'll learn to navigate cloud services, manage code repositories, and deploy applications, gaining valuable skills for software development and cloud computing roles.