



## Experiment 1.4

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**Branch:** CSE

**Semester:** 6

**Subject Name:** Cloud Computing and Distributed Systems

**Subject Code:** 21CSP-378

**UID:** 21BCS9063

**Section/Group:** CC-646-A

**Date of Performance:** 06-02-24

**Aim:** Use of GAE launcher to launch the web applications.

**Objective:** To use GAE launcher and run apps using google cloud console

### Procedure:

**Step 1:** Create a new GitHub repository.

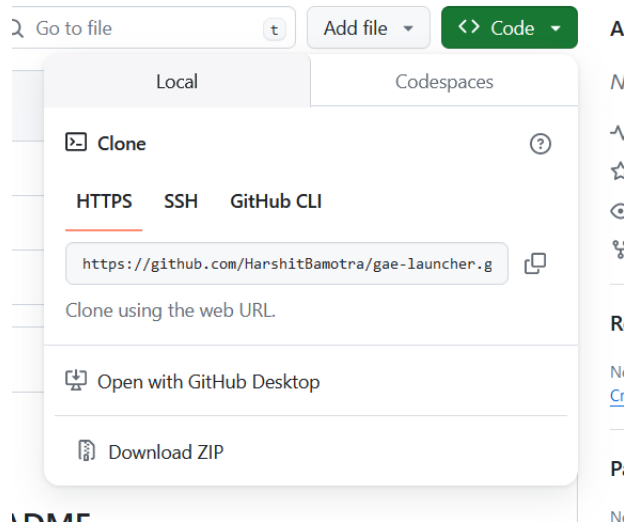
The screenshot shows a GitHub repository page for 'gae-launcher' by user HarshitBamotra. The repository is public and has 1 branch (main) and 0 tags. The file list shows three files: 'a.out' (second commit, 11 hours ago), 'first.py' (second commit, 11 hours ago), and 'gae-launcher.cpp' (experiment 4, 39 minutes ago). The README section is currently empty, with a prompt to 'Add a README' and a button labeled 'Add a README'. The right sidebar shows the repository's activity, including 0 stars, 1 watching, and 0 forks. It also displays sections for Releases, Packages, Languages (C++ 100.0%), and Suggested workflows.



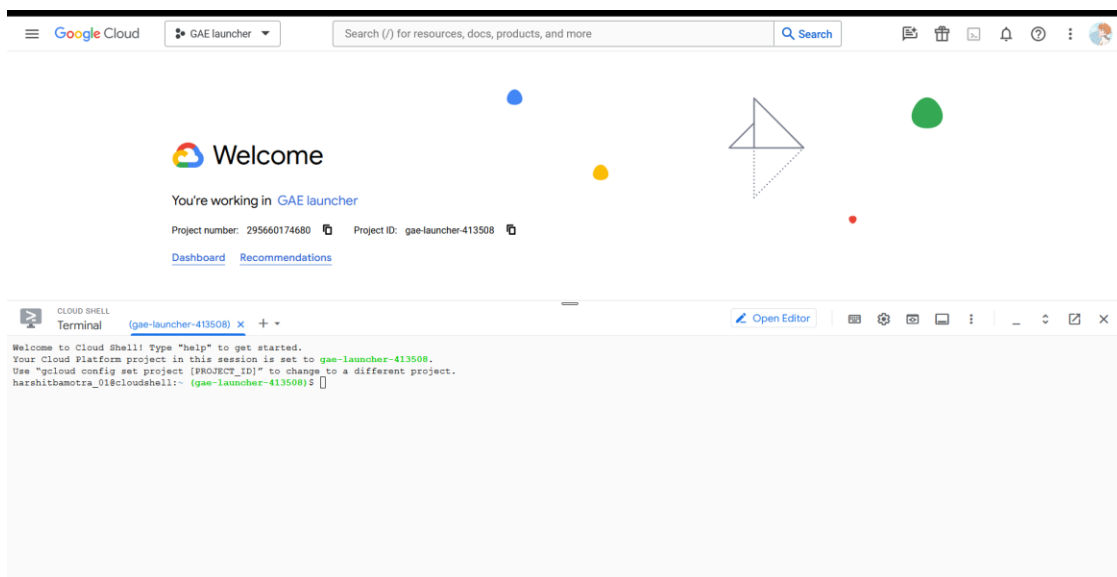
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**Step 2:** Go to your GitHub repository and copy the Repo URL  
<https://github.com/HarshitBamotra/gae-launcher.git>



**Step 3:** Search “Google cloud console” on Google and click on the first link and then activate cloud shell.





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**Step 4:** Type in terminal “git clone [REPO\_URL]” to clone the repository.

git clone <https://github.com/HarshitBamotra/gae-launcher.git>

```
CLOUD SHELL
Terminal (gae-launcher-413508) x + v
harshitbamotra_01@cloudshell:~ (gae-launcher-413508) $ git clone https://github.com/HarshitBamotra/gae-launcher.git
```

**Step 5:** type “ls” in the terminal to list all the files and folders

```
CLOUD SHELL
Terminal (gae-launcher-413508) x + v
harshitbamotra_01@cloudshell:~ (gae-launcher-413508) $ ls
gae-launcher README-cloudshell.txt
harshitbamotra_01@cloudshell:~ (gae-launcher-413508) $
```

**Step 6:** Type “cd [DIRECTORY\_NAME]” to change your directory

cd gae-launcher

```
CLOUD SHELL
Terminal (gae-launcher-413508) x + v
harshitbamotra_01@cloudshell:~ (gae-launcher-413508) $ cd gae-launcher
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $
```



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## Step 7:

type “ls” to check file.”

type “g++ -o [EXECUTABLE\_NAME] [FILE\_NAME]”

g++ -o gae-launcher.out gae-launcher.cpp

type “ls” and notice that a new executable file has been created

type “./[EXECUTABLE\_NAME]”

./gae-launcher.out

```
CLOUD SHELL
Terminal (gae-launcher-413508) x + v
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $ ls
a.out first.py gae-launcher.cpp
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $ g++ -o gae-launcher.out gae-launcher.cpp
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $ ls
a.out first.py gae-launcher.cpp gae-launcher.out
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $ ./gae-launcher.out
Harshit Bamotra
21BCS10003
21BCS-FL-601-B
harshitbamotra_01@cloudshell:~/gae-launcher (gae-launcher-413508) $
```

## Learning Outcomes:

1. Learned how to GAE Launcher
2. Learned how to create GitHub Repositories
3. Learned how to use google cloud platform
4. Learned Git and Linux commands