

Sample problem statement for CCL

AY: 22-23 : SEM: II

C1) Install Google App Engine. Create hello world application using python/java.

C2) Install Google App Engine. Create an application that prints your Name, seat number, department 5 times on separate lines using python/java. Make use of for loop.

C3) Install Google App Engine. Create an application that prints your seat number, department 10 times on separate lines and using python/java. Make use of while loop.

C4) Install Google App Engine. Create an application to display the table of 5 using python/java. Make use of appropriate loop. Display the table in following format:

5 x 1 = 5
5 x 2 = 10
.

C5) Install Google App Engine. Create an application to display the table of 10 using python/java. Make use of appropriate loop. Display the table in following format

10 x 1 = 10
10 x 2 = 20
.

C6) Install Google App Engine. Create an application to display the first 8 elements of the Fibonacci series using python/java.

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C7) Create a web-app which takes the zip-code of the area, the name of the branch as input, and sends the nearest post-office details. <http://www.postalpincode.in/Api-Details>

Input : Correct Pin-code , expected output: a welcome page

Input: Incorrect Pin-code, expected output : An error page showing proper err message and ask user to fill correct input.

Validations:-

Restrict user to enter only 6 digits. No alphabet should be displayed, and no 7th digit should be accepted.

C8) Create a web-app which uses the weather API to forecast the weather by taking latitude, longitude and an 'hourly' parameter and/ 'daily' parameter.
<https://open-meteo.com/en/docs#api-documentation>

Input : Correct Input , expected output: Proper location

Input: Incorrect Input, expected output: An err page showing proper err message and ask user to fill correct input.

Validations:-

Restrict user to enter only required digits. No alphabet should be accepted and displayed.

C9) Can't decide what to watch? Create a web-app which lists anime movies using the following API: GET <https://ghibliapi.herokuapp.com/films>

Input : Correct Input , expected output: Proper location

Input: Incorrect Input, expected output: An err page showing proper err message and ask user to fill correct input.

Validations:-

Restrict user to enter only required data.

C10) Use the following public API to create a web-app which searches the universities. GET [http://universities.hipolabs.com/search?name=\[name of the university\]](http://universities.hipolabs.com/search?name=[name of the university])

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C11) Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.

C12) Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, list all the files present in both the VMs.

C13) Design and develop custom Application using Sales-force Cloud .

C14) Design and deploy a web application in a GAE PaaS environment.

C15) Design an application to authenticate users using firebase and Google App engine.