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.
times on separate fines and using python/java. Make use of white 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:
$5 \times 1 = 5$
$5 \times 2 = 10$
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
$10 \times 1 = 10$
$10 \times 2 = 20$
•
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.

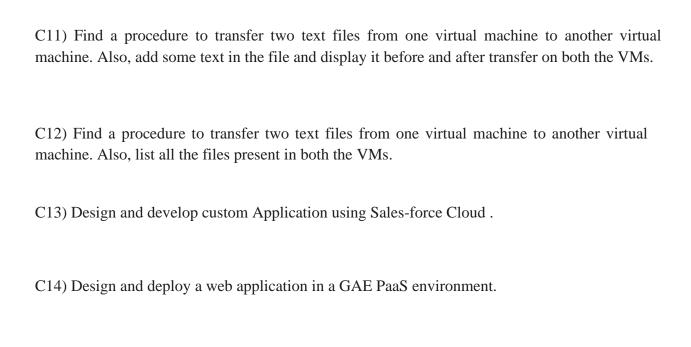
Validations:-

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]

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