Sample problem statement for CCL
AY: 22-23 : SEM: II

C1) Install Google App Engine. Create a 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 the 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 the 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.

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.
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) 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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C10) 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.

C11) 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.

C12) Design and develop custom Application using Sales-force Cloud .

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

C14) Design and develop custom Library Management Application using Sales-force Cloud .

C15) Design and develop custom Hostel Management Application using Sales-force Cloud .

C16) Design and deploy a web application in a PaaS environment.

C17) Deploy any of your WAD Assignment from Github using AWS Amplify PaaS environment (This requires AWS account credentials)

C18) Find and implement a procedure to launch ubuntu virtual machine using AWS EC2. (This requires AWS account credentials)

C19) Find and implement a procedure to launch Red Hat virtual machine using AWS EC2. (This requires AWS account credentials)

C20) Find and implement a procedure to launch any virtual machine using AWS EC2. (This requires AWS account credentials)