

Assignment Day 3 | 6th May 2020

For any doubts regarding the assignment, ask questions in the [Free Coding School Group](#) in the Community.

Submit the Assignment by **7th May 2020 10:00 AM.**

Assignment Submit Form : <https://bit.ly/FcsAssigment>

Question 1:

WAP for taking one number as input and then using if elif else concept, assign a grade to the input number from

A,B,C,D,E, Fail

In a formatted report card Example :

Input - 97

```
Output - |-----|
         |  A  |
         |-----|
```

Question 2:

Guessing Team India Score in 20-20 Cricket -

WAP gives you a random score of Team India in a cricket match, and a player has to guess the score given by computer in between 1 to 250. The rules are:

1. If a player's guess is less than 1 or greater than 250, say "Reduce your expectation for 20-20 Cricket"
2. On a player's input, if their score guess is
 - a. within 10 of the number, return **"Close By, you are True Indian Fan! "**
 - b. further than 10 away from the number, return **"You don't watch that much! :P "**

Question 3:

WAP to Handle File using Python Script.

1. Opening a File
2. Writing - I love FCS
3. Close the file
4. Open the file again
5. Show the content on screen

Question 4:

Roy wants to change his profile picture on Facebook. Now Facebook has some restrictions over the dimension of pictures that we can upload.

Minimum dimension of the picture can be $L \times L$, where L is the length of the side of the square.

Now Roy has N photos of various dimensions.

Dimension of a photo is denoted as $W \times H$

where W - width of the photo and H - Height of the photo

When any photo is uploaded following events may occur:

[1] If any of the width or height is less than L , the user is prompted to upload another one. Print "UPLOAD ANOTHER" in this case.

[2] If width and height, both are large enough and

(a) if the photo is already square then it is accepted. Print "ACCEPTED" in this case.

(b) else the user is prompted to crop it. Print "CROP IT" in this case. (quotes are only for clarification)

Given L , N , W and H as input, print appropriate text as output.

Input:

First line contains L .

Second line contains N , number of photos.

Following N lines each contains two space separated integers W and H .

Output:

Print appropriate text for each photo in a new line.

Constraints:

$1 \leq L, W, H \leq 10000$

$1 \leq N \leq 1000$

Question 5:

- Ankit is in maze. The command center sent him a string which decodes to come out from the maze.
- He is initially at (0, 0).
- String contains L, R, U, D denoting left, right, up and down.
- In each command he will traverse 1 unit distance in the respective direction.
- For example if he is at (2, 0) and the command is L he will go to (1, 0).

FAQs

Q. How to upload a jupyter notebook as a part of an assignment?

- A. 1. Click "File" option in notebook
2. Go to "Download As" -> "Notebook(.ipynb)"
3. Upload the downloaded .ipynb file to google form

Q. When do I submit the Assignments and how?

- A. All Assignments have to be submitted by 12 AM (on the same day). You can use Jupyter Notebook or python files or even Google Colab to Submit your Assignments.

Q. Where do I get class links for next session?

- A. All sessions will be Live on Youtube from Day-1 to Day-7 at 11:00 AM, Subscribe to LetsUpgrade [YouTube Channel](#). You'll also get an email with the link to the live session.

Q. I have some doubt, whom do I ask?

- A. (a) Post your Queries on the community, someone will help you out.
(b) We have a discussion group which you can access by Joining LetsUpgrade Telegram Channel (@letsupgrade_in).

Q. Sir don't have anaconda so how can I solve the assignment ?

- A. Use Google Colab : [Click me](#)

Q. Can we submit multiple .py or .ipynb assignment solution files for each question separately?

- A. You can zip all the files together and submit. Make sure you are submitting a single file.

Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?

- A. You will receive a mail for your successful submission. You will get a mail like this:

