

Assignment Day 6 | 27th June 2020

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

Submit Assignments by **29th June 2020 11:00 AM.**

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

Submit assignments in Appropriate Dropdowns.

Submit the Silver Project in the separate dropdown.

Question 1 :

For this challenge, create a bank account class that has two attributes:

- ownerName
- balance

and two methods:

- deposit
- withdraw

As an added requirement, withdrawals may not exceed the available balance.

Instantiate your class, make several deposits and withdrawals, and test to make sure the account can't be overdrawn.

Question 2 :

For this challenge, create a Cone class that has two attributes:

* R = Radius

* h = height

and two methods:

* Volume - $\pi \times r^2 \times (h/3)$

* Surface area: base: $\pi \times r^2$, side: $\pi \times r \times \sqrt{(r^2+h^2)}$

Make only one class with functions, as in where required Import Math

SILVER PROJECT: Rock - Paper - Scissor

Rules for the game -

1. You all are required to develop a Python base Game for Silver Project
2. You will develop Human vs Bot kind of Program

I/P -

- Enter your Choice - "Paper"
- Computer generate a random key out three

O/P

- Base out rule we will get the Winner of the round
- Game Board -
 - Human Point
 - Computer Points
 - Ties
 - Keep on the game until player asks to exit

Rules to win ROCK PAPER Scissors -

- $R + P = P$
- $R + S = R$
- $P + R = P$
- $P + S = S$
- $S + R = R$
- $S + P = S$
- $R + R = T$
- $P + P = T$
- $S + S = T$

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 11 AM (on the next 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 ?

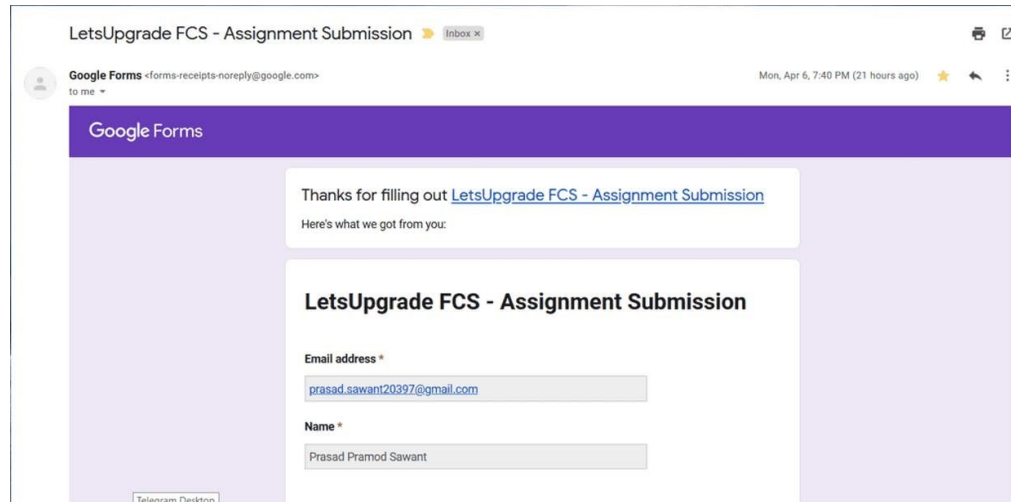
- A. Use Google Colab : [Click me](#)

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:



The image shows a screenshot of an email received from Google Forms. The email header indicates it is from 'Google Forms <forms-receipts-noreply@google.com>' to 'me' on Monday, April 6, 7:40 PM (21 hours ago). The main content of the email is a confirmation message from 'Google Forms' stating: 'Thanks for filling out [LetsUpgrade FCS - Assignment Submission](#). Here's what we got from you:'. Below this, there is a section titled 'LetsUpgrade FCS - Assignment Submission' which displays the submitted information: 'Email address *' as 'prasad.sawant20397@gmail.com' and 'Name *' as 'Prasad Pramod Sawant'.

LetsUpgrade FCS - Assignment Submission

Google Forms

Thanks for filling out [LetsUpgrade FCS - Assignment Submission](#)

Here's what we got from you:

LetsUpgrade FCS - Assignment Submission

Email address *

prasad.sawant20397@gmail.com

Name *

Prasad Pramod Sawant