Assignment #1

General Instructions:

The assignment should be performed **independently** – no collaborations are allowed.

Late submission will lead to a reduction in your grade – 5 points per day.

Assignment will be uploaded to **GitHub**. Thus, to submit an assignment you should:

1. open a GitHub account.
2. Open a new repository on GitHub named **DS_Intro_HW_1**, according to the tutorial: https://docs.github.com/en/get-started/quickstart/hello-world
3. upload the assignment python file(s) to the repository

In the course's Moodle you should go to the assignment activity and upload a text file, named:

hw-<id>.txt, where <id> is your ID number. The file should contain the URL of your repository, for example: https://github.com/israel_israeli/DS_Intro_HW_1

Tasks

A. **write a function named my_func(x1, x2, x3) that returns the value:** $\dfrac{(x1+x2+x3)*(x2+x3)*x3}{x1+x2+x3}$

Note:

- If the denominator is zero the function should return the following text:
  "Not a number – denominator equals zero"
- all parameters should be *double* numbers, otherwise – print ("Error: parameters should be double")
- the function should return a float number.

B. **Write a function named convert(hours, minutes) that takes two integers and converts them to seconds. For example: convert(1, 3) should return: 3780.**

Note:

- You must validate that the input is positive. If not, you should print: "Input error!".
- The function can accept Double, for example: 1.75 = 1 hour and 45 minutes