Session 3

Welcome to the first async session. In this session you will learn somethign new about Python and you will need to apply everything we've learnt so far to solve some exercises.

Doing all this work is **compulsory**. We will review the exercises together in class the next sync session.

There will be a forum open in case you have questions. You will be able to ask questions there, and answer questions by your peers if you find you can help them. I will check the forum several times during the day in order to provide answers to questions.

Finally, it's not mandatory to write messages in the forum, if you find you don't need any help and everything is clear, just do the exercises and wait for the next sync session to check your solutions.

User input

There is a handy function **input()** that allows us to capture input from the user

```python
name = input("Tell me your name: ")

print("hello, " + name)
```

Something that you need to bear in mind is that `input` always returns a string.

Exercises

1. Create a program that calculates the total number of seconds in an hour and prints it afterwards.

2. How does the following expression evaluate? `2 + (3 + 4) + (5 * 33 ** 34)`

3. Create a program that asks the user for their age and their mother's age and calculate the age difference

4. Make the following expressions work (use Python console for this one)

   ```python
   3 + "3"
   'there are ' + 4 ' dogs barking'
   ```

5. Create a program that asks the user for their hourly wage and prints the total **weekly** and **monthly** wage. (assuming 8h a day and 20 days a month of work).

References

Python for Everyone is a great resource for learning Python, here you can see the relevant lesson (head to **Asking the user for input**). https://www.py4e.com/html3/02-variables

Also, the book **Automating the Boring Stuff with Python** is a great resource too. You can read it online for free here https://automatetheboringstuff.com/