

Lab 1

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Problem 1

Write a script that asks the name of the user, and the number of cookies they want to have. Print out a welcome message with the name of the user and the cookies one by one. Example output:

```
What's your name? Roza
How many cookies would you like to have? 3
Hello, Roza!
Here are your cookies:
Cookie
Cookie
Cookie
```

Problem 2

Modify the previous example and print a specific message that is related to the number of cookies.

- If the cookie number is between 1 and 10 (less than 10), print “Are you sure it’s enough?”
- If the cookie number is between 10 and 20 (less than 20), print “I agree, cookies are delicious!”
- If the cookie number is between 20 and 50 (less than 51), print “Be careful, it’s getting too much!”
- If the cookie number is more than 50, print “No way, it’s getting too much!”, and modify the value to be 50.
- For any other cases, print “Something must be wrong, I’ll give you 10 cookies.” and modify the value to be 10.

Example outputs:

```
What's your name? Roza
How many cookies would you like to have? 3
Hello, Roza!
Are you sure it's enough?
Here are your cookies:
Cookie
Cookie
Cookie
```

[illegible]

```
What's your name? Michael
How many cookies would you like to have? -1
Hello, Michael!
Something must be wrong, I'll give you 10 cookies.
Here are your cookies:
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
Cookie
```

Problem 3

Write a script that calculates the average of some integers. First ask how many numbers the user has, then calculate the average and print it. Example output:

```
How many numbers do you have? 3
Give me one of them: 6
Give me one of them: 6
Give me one of them: 3
Your average is 5
```

Problem 4

Improve the scripts you made in problem 1 to 3. Exactly what to improve is up to you.

Problem 5

Go to <https://projecteuler.net/archives> and try to solve some of the problems there. The %-operator will be very useful for many of the problems.