

# EPAM Python for QA Training

## Homework 2-2

### Level 1

1. Write a function which takes a string and returns its first 10 characters concatenated with the last 10 characters.
2. Write a function that takes a comma-separated string and returns the last element (separated by the last comma) or the entire string, if there is no comma in it.
3. Write a function that takes a list and returns a new list that contains all the elements of the first list minus all the duplicates:

```
[1, 2, 3, 4, 4, 6, 2] -> [1, 3, 6]
```

### Level 2

4. Write program to evaluate `(a or not b)` and `(c or not a)` expression for boolean variables `a`, `b`, `c` showing result for all possible variables combinations.
5. Write a function to return the sum of the numbers in the array, returning 0 for an empty array. Since the number 13 is very unlucky, it does not count, and numbers that come immediately after a 13 also do not count. Array could contain strings and boolean values (do not count them too):

```
sum13([1, 2, 2, 1]) -> 6
sum13([1, 1]) -> 2
sum13([1, 2, 2, 1, 13]) -> 6
sum13([1, 2, 2, 1, 13, 5, 4, 2]) -> 6
```

6. Write a function that returns dictionary where keys are even numbers between 1 and `n` and values are keys in square, by default `n = 100`.

### Level 3

7. Write a function to find out if the word is a palindrome.