

CS 101 HOMEWORK (LISTS)

When finished, please, upload your file on Google Classroom using the assignment link.

Task 1

Use the following list for this question:

```
a = [3, "Apple", "Orange", 2021, "Apple", 3.14, "Apple"]
```

Print all numbers from the list; for strings print “NaN” (Not a Number).

Task 2

Add another “Orange” to the list above. Then delete all “Apple” elements.

Task 3

Create two separate lists: (1) nums, a list of all numbers from the list in Task 1, and (2) words, a list of all strings from the list in Task 1. Print both lists.

Task 4

Create a list of any three countries, where each element is the country name. Print the list of countries.

Task 5

Using for loop and f-string print the name of each country and how many characters are in its name.

Task 6

Create a list where the elements are the capitals of the countries from task 4 (in the same order). Using for loop and the two lists print all information for the user in the following format: “The capital of Spain is Madrid. The capital of France is Paris.” And so on.

Task 7

Write a code to delete those countries from your list with names that have an even number of characters in their name (e.g., “Canada”). Print the list before and after deletions.