

A hand is shown in the upper right corner, reaching down to assemble a structure using various colored LEGO bricks. The bricks are scattered on a white surface, with some already partially assembled into a structure. The colors include yellow, green, red, and black. The background is slightly blurred, showing more bricks and a hand.

Programming for DA

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Planning

- ~~11/1~~ - ~~Introduction~~
- ~~18/1~~ - ~~Working with data files~~
- ~~25/1~~ - ~~Working with data files~~
- ~~1/2~~ - ~~Environment setup~~
- ~~8/2~~ - ~~Basics: conditions~~
- 15/2 - First data analysis & presentation
- 22/2 - First data analysis & presentation

- 1/3 - Partial exam

- 8/3 - Basics: loops and functions
- 15/3 - Manipulating strings
- 22/3 - Manipulating strings
- 29/3 - Data structures
- 5/4 - Data structures
- 26/4 - Data structures

About data presentation with print

Several variables.

```
print("Hello","how are you?")
```

Separator.

```
print("Hello","how are you?", sep="---")
```

End character.

```
print("Hello","how are you?", end="")
```

Format numbers

```
print("%.2f" % z)
```

A brief reference:

https://www.w3schools.com/python/ref_func_print.asp

<https://appdividend.com/2021/03/31/how-to-format-float-values-in-python/>

Exercise 3

Goal: mix of flow control and variables.

1. Get the number of museums grouped by number of reviews (<1000, 1000 to 10000, >10000).

1. “Plan” your code/algorithm.

2. Implement.

3. Validate the result:

```
Museums by number of reviews:  
>10000          110  
1000-10000      432  
<1000           470
```

Goal: first statistical analysis.

1. Using the dataset “tripadvisor_museum_world.csv”, get the name of the museum with the lowest number of reviews.
 1. “Plan” your code/algorithm.
 2. Implement.
 3. Validate the result:

Hungarian Natural History Museum

Goal: “advance” use of statistics.

1. Using the dataset “tripadvisor_museum_world.csv”, count the museums with a number of reviews bellow the average review number value.
 1. “Plan” your code/algorithm.
 2. Implement.
 3. Validate the result: 799

A hand is shown in the upper right corner, placing a yellow LEGO brick onto a white surface. Several other LEGO bricks of various colors (yellow, green, red, black, brown) are scattered around, some already assembled into small structures. The background is a plain white surface.

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