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Persian Box

General instructions

- Work with PyCharm
- It is recommended to 'play around' with the Python interpreter.
- Adhere to conventions.
- Check your solution before handing it in.

persian box

You know how sometimes you want to give parameters to a function using the command line?

Let's say you've already written four simple functions that get two numbers and uses them in a simple calculation.

- add – Adds the two numbers and prints the result.
- multiply – Multiplies the two numbers and prints the result.
- subtract – Substracts the second number from the first and prints the result.
- divide – Divides the first number by the second number and prints the result.

Probably, the user will only want to use one function at a time. She will probably want a simple, intuitive explanation on how to run your script. Also, you may want to add more features: For example, if the user wants to, she will be able to ask the calculator to print a good morning message.

The program will probably look like this:

```
C:\Users\Omer\Documents\Python\8 - modules and list comprehensions>python persian_box.py add 2
usage: persian_box.py [-h] [-w]
                      {add,subtract,multiply,divide} first_number
                      second_number
persian_box.py: error: the following arguments are required: second_number

C:\Users\Omer\Documents\Python\8 - modules and list comprehensions>python persian_box.py addd 1 2
usage: persian_box.py [-h] [-w]
                      {add,subtract,multiply,divide} first_number
                      second_number
persian_box.py: error: argument command: invalid choice: 'addd' (choose from 'add', 'subtract', 'multiply', 'divide')

C:\Users\Omer\Documents\Python\8 - modules and list comprehensions>python persian_box.py add 1 2
3.0

C:\Users\Omer\Documents\Python\8 - modules and list comprehensions>python persian_box.py add 1 2 -w
Good morning :)
3.0
```

Looks magical? It also looks like a lot of work.

Lucky for you, the module **argparse** does most of the work for us. Learn about the module and write the four functions described above. Implement the command options described.

Good luck!

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