

Příloha 12

Kódové provedení data_logger

```
from os import path
from csv import reader, writer, DictWriter

def data_logger(filename, kwargs: dict):
    # Decide if csv exists
    if path.exists(filename + '.csv'):
        # Get headers
        with open(filename + '.csv', 'r') as file:
            #Read existing headers
            csvreader = reader(file)
            header = next(csvreader)

        with open(filename + '.csv', 'a') as file:
            dictwriter_object = DictWriter(file, fieldnames=header)
            try:
                dictwriter_object.writerow(kwargs)
            except ValueError:
                raise ValueError('Ensure that all the values correspond to
the headers:', header)
    else:
        with open(filename + '.csv', 'a') as file:
            writer_object = writer(file)
            writer_object.writerow(list(kwargs.keys()))
            writer_object.writerow(list(kwargs.values()))
```