

Assignment: Docstrings for a Flight

Welcome to this Mini Project.

Great work so far! Now a commercial airline has hired you to write the documentation for specific parts of their software. Specifically, you need to document the class that represents a flight.



Your task is to:

- Write docstrings for this class after analyzing the code carefully.
- Document the `__init__()` function and the properties with their corresponding docstrings.
- Explain why the `help()` function and the `__doc__` attribute are helpful for working with docstrings.

Code:

This is the Flight class.

```
class Flight:

    def __init__(self, number, origin, destination, num_passengers,
total_weight, pilot, crew):
        self.number = number
        self.origin = origin
        self.destination = destination
        self.num_passengers = num_passengers
        self._total_weight = total_weight
        self._pilot = pilot
        self._crew = crew

    @property
    def total_weight(self):
        return self._total_weight
```

```
@total_weight.setter
def total_weight(self, weight):
    if weight > 0 and isinstance(weight, float):
        self._total_weight = weight

@property
def pilot(self):
    return self._pilot

@pilot.setter
def pilot(self, new_pilot):
    self._pilot = new_pilot

@property
def crew(self):
    return self._crew

@crew.setter
def crew(self, new_crew):
    self._crew = new_crew

def display_flight_data(self):
    print("== Flight ==")
    print("Number:", self.number)
    print("Number of Passengers:", self.num_passengers)
    print("Weight:", self._total_weight)
    print("Pilot:", self._pilot)
    print("Crew:", self._crew)
```

Solution:

You can find a sample solution in the "Instructor example" tab.