Airtravel.py as module

class Flight:

    """A flight with a particular passenger aircraft."""

    def \_\_init\_\_(self, number, aircraft):

        if not number[:2].isalpha():

            raise ValueError(f"No arline code in '{number}'")

        if not number[:2].isupper():

            raise ValueError(f"Invalid airline code '{number}'")

        if not(number[2:].isdigit() and int(number[2:]) <= 9999):

            raise ValueError(f"Invalid route number '{number}'")

        self.\_number = number

        self.\_aircraft = aircraft

    def aircraft\_model(self):

        return self.\_aircraft.model()

    def number(self):

        return self.\_number

    def airline(self):

        return self.\_number[:2]

class AirCraft:

    def \_\_init\_\_(self, registration, model, number\_rows, number\_seats\_per\_row):

        self.\_registration = registration

        self.\_model = model

        self.\_number\_rows = number\_rows

        self.\_number\_seat\_per\_row = number\_seats\_per\_row

    def registration(self):

        return self.\_registration

    def model(self):

        return self.\_model

    def seating\_plan(self):

        return (range(1, self.\_number\_rows + 1),

                "ABCDEFGHJK"[:self.\_number\_seat\_per\_row])

Booking.py

from airtravel import Flight, AirCraft

a = Flight("BA758", AirCraft("G-EUPT", "Airbus A319",

           number\_rows=22, number\_seats\_per\_row=6))

print(a.aircraft\_model())