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The purpose of this assignment was to design a hierarchy of classes. This was achieved, similarly to the last assignment, by creating a derived class from the base class. By inheriting the base class options, the derived class is able to be more specific in its operations; in this case, we can select to take a local vacation, and we may also elect to take vacations via airplane.

dataTypeName

Vacation

domain

Each vacation has a certain number of people for a number of nights, staying at an

arbitrary location at an arbitrary hotel.

operations

Have a default vacation

Set a vacation

Get the destination city

Get the hotel name

Get number of people vacationing

Get the number of nights staying

Calculate and return the price per night

Calculate and return the cost of the vacation

Calculate and return the cost of the vacation per person ;)

dataTypeName

PlaneVacation

domain

Vacations via plane have a price for airfare, and an airline

operations

Default plane vacation

Set a vacation via plane specifically

Get the airline name

Get the airfare

Calculate and return cost of whole vacation

Calculate and return cost of whole vacation for each person :D

