Tarun Saraswat - Nile project

from nile import get distance, format price, SHIPPING PRICES

from test import test function def calculate shipping cost(from coords,to coords,shipping type='Overnight'): #unpacking the tuples from lat, from long = from coords to lat, to long = to coords #one way to calculate the distance: # distance = get distance(from lat,from long,to lat,to long) #another way to calculate the distance: distance = get distance(*from coords,*to coords) #fetching the key passed in the dictionary shipping rate = SHIPPING PRICES[shipping type] price = distance * shipping rate #returning the formatted price return format price(price) # Test the function by calling: test function(calculate shipping cost) # This function calculates the drivers cost def calculate driver cost(distance,*drivers): cheapest driver = None cheapest driver price = None for driver in drivers: driver time = driver.speed * distance price for driver = driver.salary * driver time #checking if the current driver is the cheapest one if cheapest driver is None: cheapest driver = driver cheapest driver price = price for driver #checking if the cheapest driver is the one stored in cheapest driver elif price for driver < cheapest driver price: cheapest driver = driver

cheapest driver price = price for driver

return cheapest driver price, cheapest driver

Test the function by calling

test function(calculate driver cost)

This function claculates the amount of money made, with keyword arguments passed into

it.

def calculate_money_made(**trips):

total money made = 0

#iterating through the dictionary

for trip id, trip in trips.items():

trip_revenue = trip.cost - trip.driver.cost

total money made += trip revenue

return total money made

Test the function by calling

