Group Project: Travel Expenses

Write a program that calculates and displays the total travel expenses of a businessperson on a trip. The program should have functions that ask for and return the following:

* The total number of days spent on the trip.
* The time of departure on the first day of the trip, and the arrival back home on the last day of the trip
* The amount of roundtrip airfare
* The amount of any car rentals
* Miles driven, if a private vehicle was used. Calculate the vehicle expense at $.027 per mile driven.
* Parking fees. The company allows up to $6 per day. Anything in excess of this must be paid by the employee.
* Taxi fee, if a taxi was used anytime during the trip (The company allows up to $10 per day, for each day the taxi was used. Anything in excess of this must be paid by the employee)
* Conference or seminar registration fee
* Hotel expenses (The company allows up to $90 per night for lodging. Anything in excess of this must be paid by the employee)
* The amount of each meal eaten. On the first day of the trip breakfast is allowed as an expense if the time of departure is before 7 a.m. Lunch is allowed if the time of departure is before 12 noon. Dinner is allowed on the first day if the time of departure is before 6 p.m.

On the last day of the trip, breakfast is allowed if the time of arrival is after 8 a.m. Lunch is allowed if the time of arrival is after 1 p.m. Dinner is allowed on the last day if the time of arrival is after 7 p.m. The program should only ask for the amount of the allowable meals. The company allows up to $9 for breakfast, $12 for lunch, $16 for dinner. Anything in excess must be paid by the employee.

Input Validation

Do not accept negative numbers for any dollar amount or for miles driven in a private vehicle. Do not accept numbers less than 1 for the number of days. Only accept valid times for the time of departure and arrival.