Program Assignment 1

James Payne

SE 114.01

Purpose: To determine the cost of a vacation by car to a variety of locations.

The program will ask the user to enter the distance to the vacation destination, the price of a gallon of gas and the number of miles per gallon used by the vehicle.

The program will calculate and display the cost of using the vehicle for the trip.

Program Assignment 2

James Payne

SE 114.01

Purpose: To calculate mileage expenses for the company sales force.

The program will ask the user to enter the beginning and ending mileage submitted by sales people. It will then calculate and display the mileage expense.

Program Assignment 3

James Payne

SE 114.01

Purpose: To help sales personnel determine the amount to charge customers for items purchased. The program will ask the user to enter the number of items purchased, the price of the item, and the sales tax rate. Finally, the program will display the cost of the items, sales tax, and the total amount due.

Programming Assignment 4

James Payne

SE 114.01

Purpose: To Help the Payroll Department calculate the pay for assigned employees. This program will ask the user to enter the name of the employee, hours worked, hourly rate of pay, and number of exemptions they are claiming. The program will then calculate net pay and display results.

Program Assignment 5

James Payne

SE 114.01

Purpose: To help airline dispatchers produce a weight and balance report for specific flights. The program will ask for the airline name, flight number, number of passengers, and the weight of the fuel on board. All the information will be processed and a report will be generated with the results.

Program Assignment 6

James Payne

SE 114.01

Purpose: This program will help the sales department of ACME.COM determine the pricing pf products sold to their customers. The program will display the customer's name, product they are inquiring about, and the cost of the product up to an order quantity of fifteen pieces.

Programming Assignment 7

James Payne

SE 114.01

Purpose: To calculate hourly, weekly, monthly, and yearly salaries of an employee.

Programming Assignment 8

James Payne

SE 114.01

Purpose: Credit report generator - program will generate a credit report of customer accounts based on user inputted information. The generator will check customers spending to make sure they haven't exceeded the maximum credit limit, display account balance, and remaining credit available. Once all customer information has been entered, the program will display a total summary of all processed accounts combine.

Programming Assignment 9

James Payne

SE 114.01

Purpose: To process traffic violations for the Providence Police Department. The program will use inputted information to put together a traffic citation report for people that have been issued a moving or nonmoving traffic violation. Individual summaries will be generated with the name of the offender and the amount they have been assessed. There will also be a check for previous violations with penalties added for habitual offenders. Once all records have been entered a summary totaling all citations will be display for review.

Programming Assignment 10

James Payne

SE 114.01

Purpose: This program will prepare a stock report that will track commissions based on transactions from brokerage salesmen. All commissions for purchases and sells of stocks from the New York Stock Exchange, the American Stock Exchange, and all over counter transactions will be calculated and displayed in a summary for the individual salesman. Once all the salesmen transactions have been entered a full summary of all transactions will be displayed.