Problem 1

INPUT	PROCESS	OUTPUT
- 10 variables to hold discountRate, discountAmount, discountTotal, quantity, price, total, overallTotal, overallDiscountTotal, and entryCount - Asks and stores the unput for quantity and price of item - 2 functions, one to calculate total and the other to calculate discount total	- While loop to continue the code until the user presses ctrl + z - Uses function to get total by multiplying quantity and price - Uses function to find discountTotal depending on the user's input	- Displays total - Displays discount total - Displays overall total - Displays overall discount total - Displays total entries

Problem 2

INPUT	PROCESS	OUTPUT
- 5 variables to hold lastName, hits, atBats, battingAverage, playerCount - Asks and stores input for last name, number of hits, and number of bats - Function to calculate batting average by multiplying hits by 1.0 and then dividing it by atBats	- While loop to continue the code until the user presses ctrl + z - Gets battingAverage by recalling the calculateBattingAverage function - Adds 1 to player count every time a new player is entered	- Displays last name - Displays batting average - Displays number of players

Problem 3

INPUT	PROCESS	OUTPUT
- 5 variables to hold city, miles, gallons, milesPerGallon, cost, totalCost, and tripCount - Asks and stores input for city, miles travelled, and gallons used - 2 functions, one to calculateMilesPerGallon, and the other to calculateGasCost	- While loop to continue the code until the user presses ctrl + z - Gets milesPerGallon by recalling the calculateMilesPerGallon function - Gets cost by recalling the calculateGasCost - Adds cost to totalCost - Adds 1 count to tripCount	- Displays city - Displays miles per gallon - Displays gas cost - Displays total gas cost

Problem 4

INPUT	PROCESS	OUTPUT
- 7 variables to hold lastName, jobCode, hoursWorked, payRate, grossPay, totalGrossPay, and employeeCount - Asks and stores input for last name, job code, and hours worked - 2 functions, one to getPayRate depending on the inserted job code, and the other to calculateGrossPay depending in inserted hours	- While loop to continue the code until the user presses ctrl + z - Gets payRate by recalling the getPayRate function - Gets grossPay by recalling the calculateGrossPay function	- Displays last name - Displays gross pay - Displays total gross pay

Problem 5

INPUT	PROCESS	OUTPUT
- 7 variables to hold lastName, districtCode, creditHours, costPerCredit, tuitionCost, totalTuitionCost, and studentCount - Asks and stores input for last name, credit hours, and district code	- While loop to continue the code until the user presses ctrl + z - Gets costPerCredit by recalling the getCostPerCredit function - Gets tuitionCost by recalling the calculateTuitionCost function	- Displays last name - Displays tuition cost - Displays total tuition cost

- 2 functions, one to getCostPerCredit depending on the district code, and the other to calculateTuitionCost		