

Fundamentals of Computer Programming

3. Understanding Structure Exercises



Programming Exercises

1. Draw a flowchart for a program needed by the sales manager of The Henry Used Car Dealership. The program will determine the profit on any car sold. Input includes the sale price and actual purchase price for a car. The output is the profit, which is the sale price minus the purchase price.

Revise the profit-determining program so that it runs continuously for any number of cars. The detail loop executes continuously while the sale price is not 0; in addition to calculating the profit, it prompts the user for and gets the next sale price.

Programming Exercises

2. Draw a flowchart for a program that calculates a person's body mass index (BMI). It calculates BMI as weight in kilograms divided by height in meters squared, and displays the results.

Revise the BMI-determining program to execute continuously until the user enters 0 for the height