START

Establish total expenses to 0.0

Ask user for budget and store it in ‘budget’

WHILE True

Ask user for cost of purchase or ‘done’ to finish

IF user types done

Exit loop

ELSE

Add entered cost to total cost

Calculate difference between budget and total cost

IF total cost is greater than budget

Display the difference over budget

ELSE IF Total cost equals budget

Display the user spent the exact budget amount

ELSE

Display the amount the user has left in budget

END