1. Introduction to structured programming
   a. Introduction based on work published by O.J. Dahl, Universitet i. Oslo, Mathematisk Institut; E. W. Dijkstra, Department of Mathematics, Technological University, Eindhover, The Netherlands; C.A.R. Hoare, Department of Computer Science, the Queen’s University of Belfast, Belfast, Northern Ireland.

2. Adaptation to Simulation Development
   a. Objectives of structured analysis.
   b. Functions of structured analysis.

3. Example - Structure of Craftco Manufacturing Company
   a. Flow of development logic
   b. Concepts
   c. Data points
   d. Data flow
FIGURE I

STRUCTURE OF CHAPCO MANUFACTURING COMPANY

Begin
  Begin
    Initialize
    Starting
    Data
  End

Begin
  Begin
    Compute
    Number
    of
    Units
    Sold
  End

Begin
  Begin
    Compute
    Total
    Operating
    Expenses
  End

Begin
  Begin
    Print
    Current
    Income
    Statement
  End

End

Begin
  Begin
    Compute
    Retained
    Earnings
  End

Print
  Current
  Balance
  Sheet

End

End

End

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FIGURE II

STRUCTURE OF DEMAND GENERATION

Begin

Begin
Compute Number of Units Sold
Due to Advertising Expenditures
End

Begin
Compute Number of Units Sold
Due to Sales Expenditures
End

Begin
Compute Number of Units Sold
Due to Administrative Operations
End

Begin
Compute Number of Units Sold
Due to Price
End

Begin
Compute Number of Units Sold
Due to Distribution Systems
End

Begin
Compute Number of Units Sold
Due to Business Cycle
End

End

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FIGURE III
STRUCTURE OF OPERATING EXPENDITURES

Begin

Begin

Begin

Compute Cost of Goods Manufactured
End

Begin

Compute Cost of Goods Going to Inventory
End

Begin

Compute Inventory Storage Costs
End

Begin

Compute Cost of Goods Coming From Inventory
End

Begin

Compute Sales Salaries Compute Advertising Expenses
End

Begin

Input Base General and Administrative Cost
End

Begin

Compute Administrative Operations
End

Compute Total Operating Expenses
End

End

End