



## FACULTY OF ENGINEERING & TECHNOLOGY

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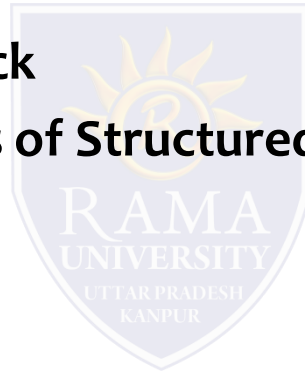
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**Structured Rule One: Code Block**

**Advantages and Disadvantages of Structured Programming Approach**

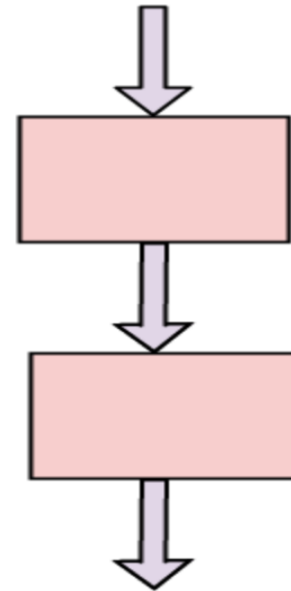
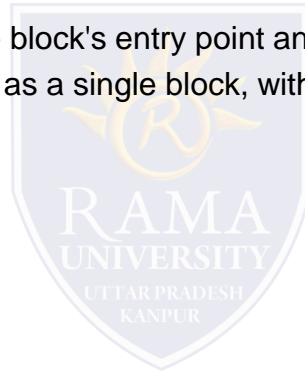
**Coding Style**



# Structured Rule One: Code Block

- **Structure Rule Two: Sequence**

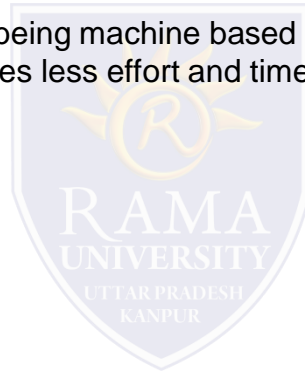
- A sequence of blocks is correct if the exit conditions of each block match the entry conditions of the following block.
- Execution enters each block at the block's entry point and leaves through the block's exit point.
- The whole series can be regarded as a single block, with an entry point and an exit point.



# Advantages and Disadvantages of Structured Programming Approach

- **Advantages:**

- ✓ Easier to read and understand
- ✓ User Friendly
- ✓ Easier to Maintain
- ✓ Mainly problem based instead of being machine based
- ✓ Development is easier as it requires less effort and time
- ✓ Easier to Debug
- ✓ Machine-Independent, mostly.



- **Disadvantages:**

- ✓ Since it is Machine-Independent, So it takes time to convert into machine code
- ✓ The converted machine code is not the same as for assembly language
- ✓ The program depends upon changeable factors like data-types. Therefore it needs to be updated with the need on the go
- ✓ Usually the development in this approach takes longer time as it is language-dependent. Whereas in the case of assembly language, the development takes lesser time as it is fixed for the machine

# Coding Style

- Programming style refers to the technique used in writing the source code for a computer program
- Most programming styles are designed to help programmers quickly read and understand the program as well as avoid making errors.
- The goal of good programming style is to provide understandable, straightforward, elegant code
- The programming style used in a various program may be derived from the coding standards or code conventions of a company or other computing organization, as well as the preferences of the actual programmer.

