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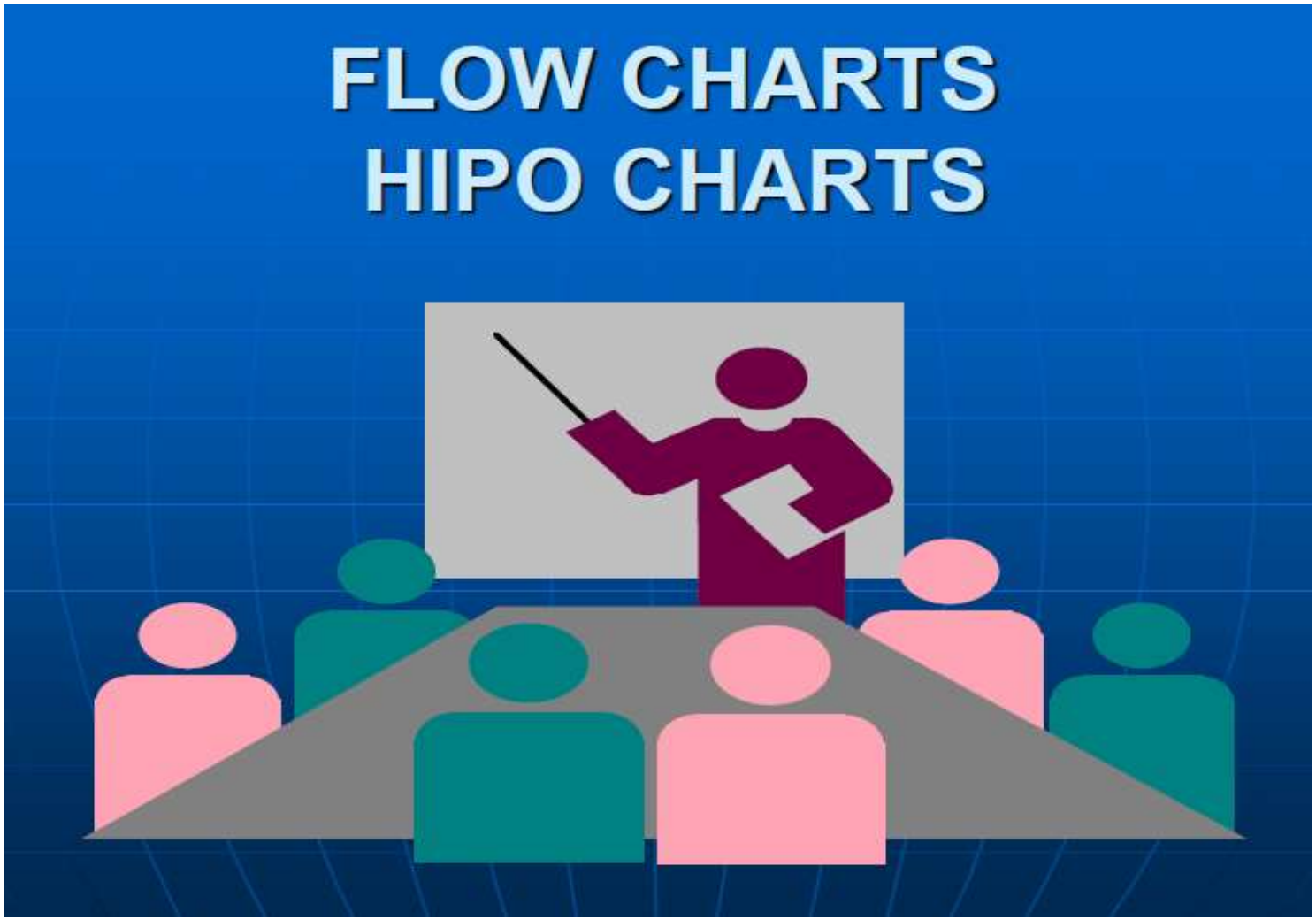
SFC & HIPO CHARTS


FLOW CHARTS
HIPO CHARTS

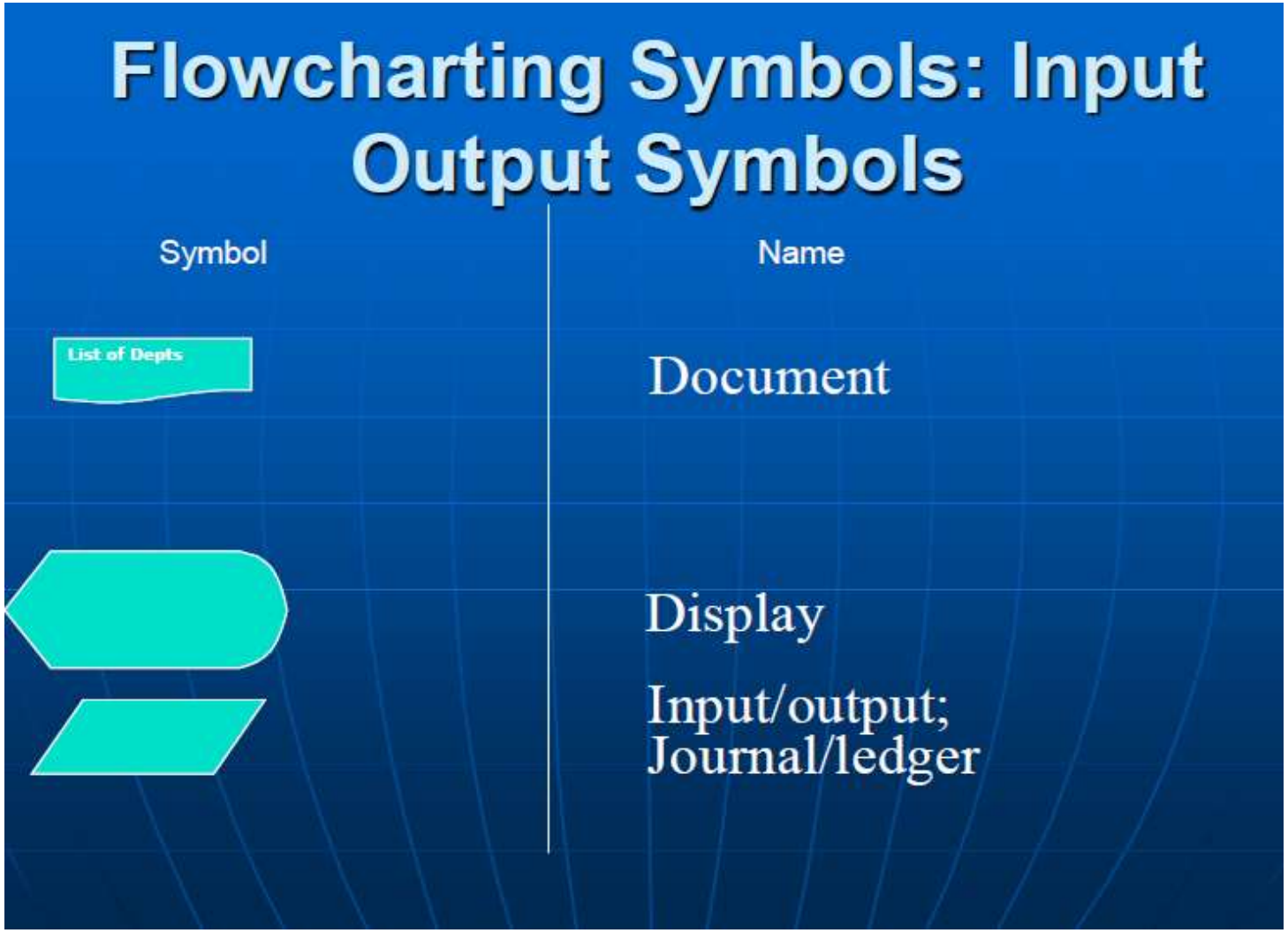
Flowcharts

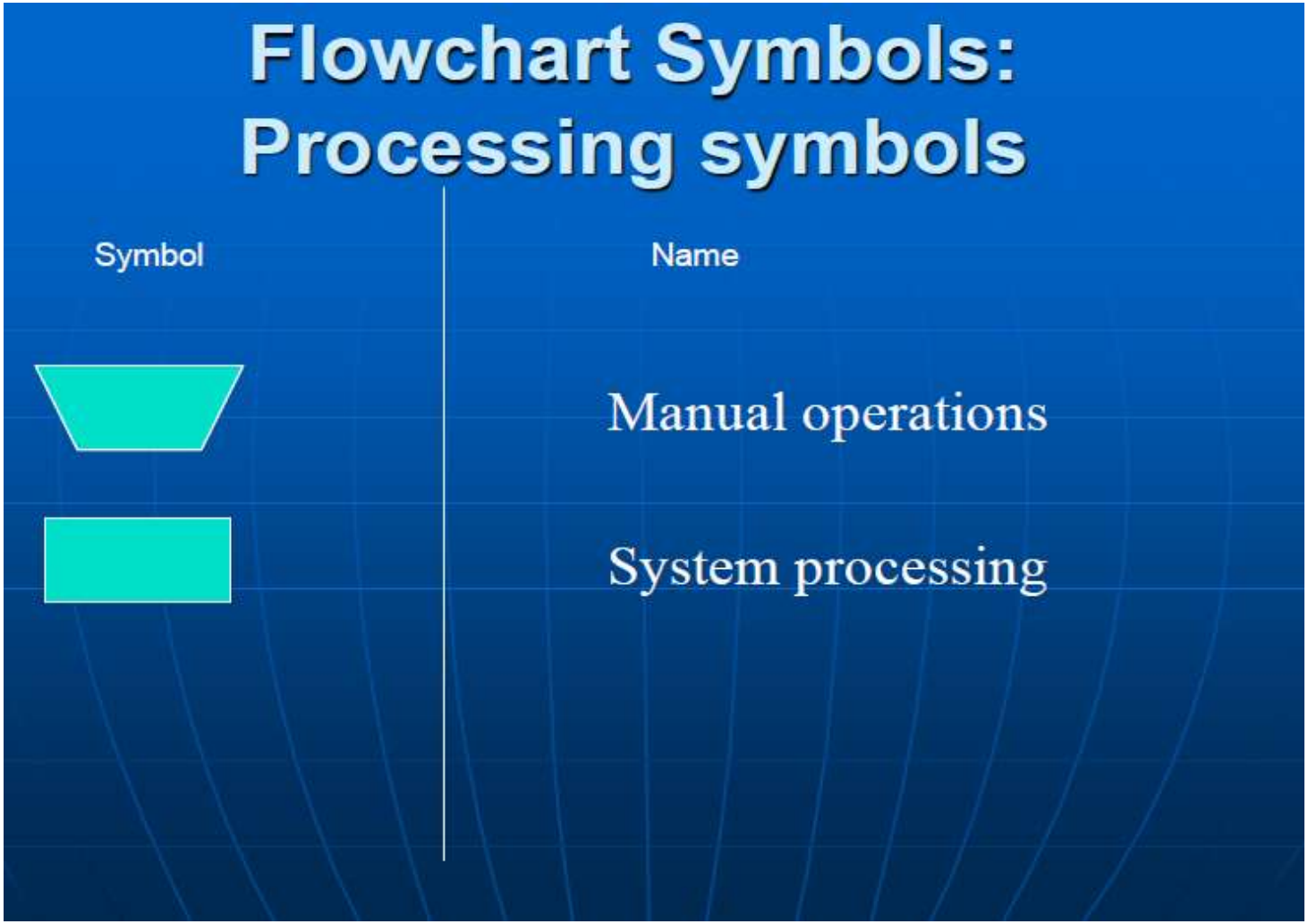
- Aflowchartisananalyticaltechniqueusedtodescribesomeaspectofaninformationsystem inaclear, concise, and logical manner.
- Flowchartsuseastandardsetofsymbolstopictoriallydescribetransactionprocessingprocedures.

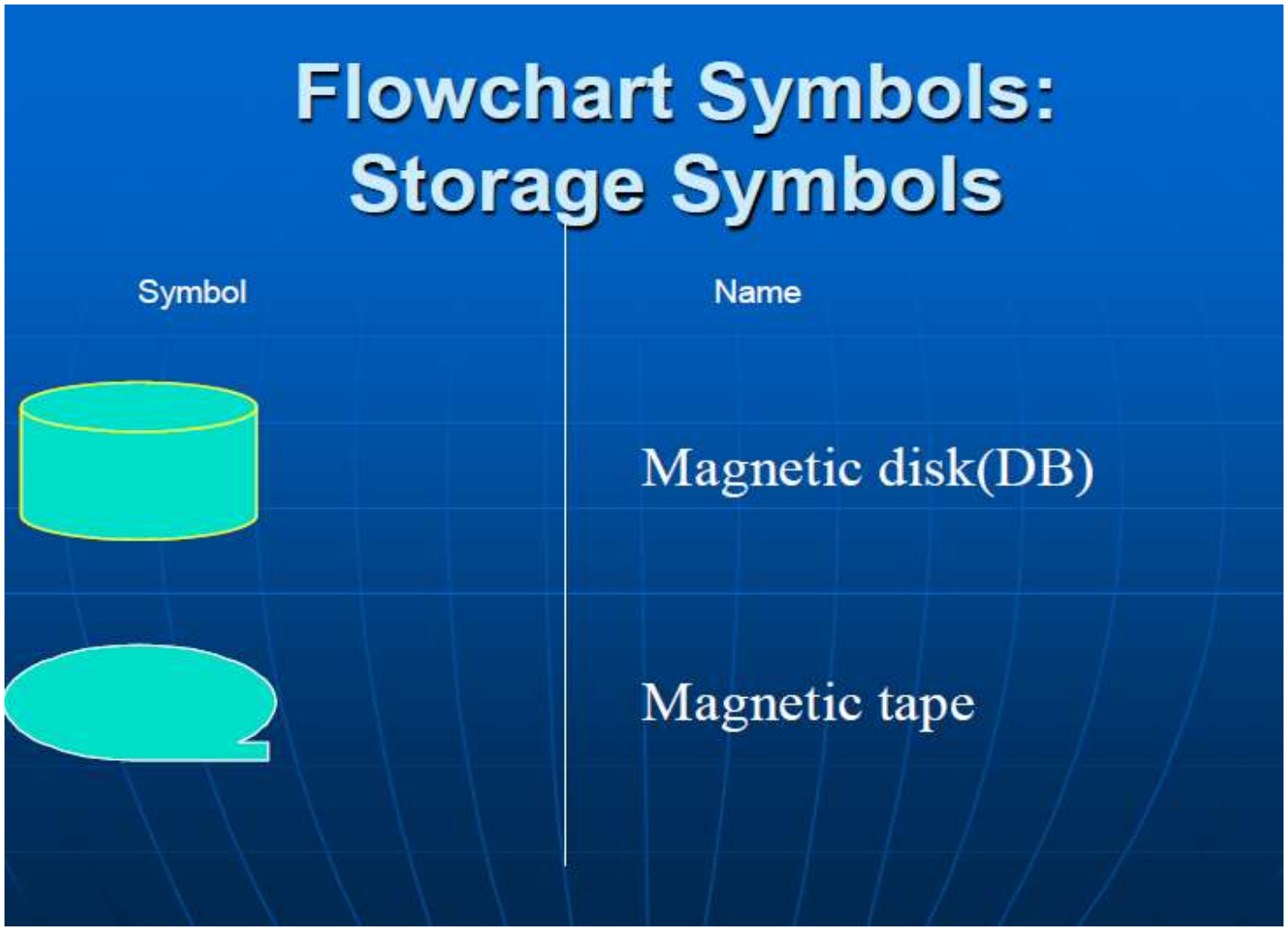
Flowchart Symbols

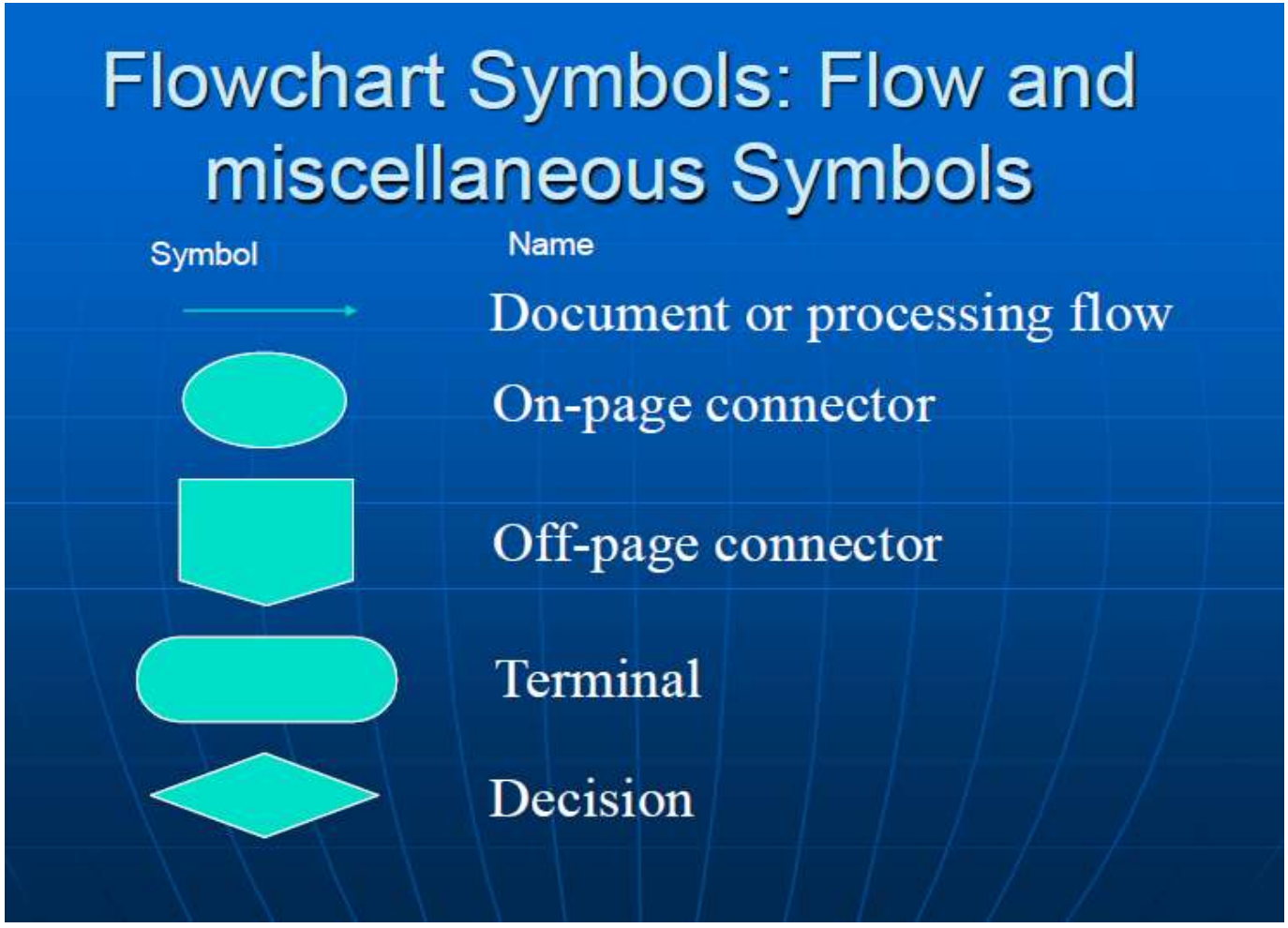
- Flowcharting symbols can be divided into the following four categories:
- Input/output symbols
- Processing symbols
- Storage symbols
- Flow and miscellaneous symbols

Flowcharting Symbols: Input Output Symbols




Flowchart Symbols:
Processing symbols
Symbol
Name
Manual operations
System processing


Flowchart Symbols:
Storage Symbols
Symbol
Name
Magnetic disk(DB)
Magnetic tape


Flowchart Symbols: Flow and miscellaneous Symbols
Symbol
Name
Document or processing flow
On-page connector
Off-page connector
Terminal
Decision

What are Document Flowcharts?

- A document flowchart illustrates the flow of documents and information between areas of responsibility within an organization.
- A document flowchart is particularly useful in analyzing the adequacy of control procedures.
- Flowcharts that describe and evaluate internal controls are often referred to as *internal control flowcharts.*

What are Computer System Flowcharts?

- *System flowcharts* depict the relationship among the input, processing, and output.
- A system flowchart begins by identifying both the inputs that enter the system and their origins.
- The input is followed by the processing portion of the flowchart.

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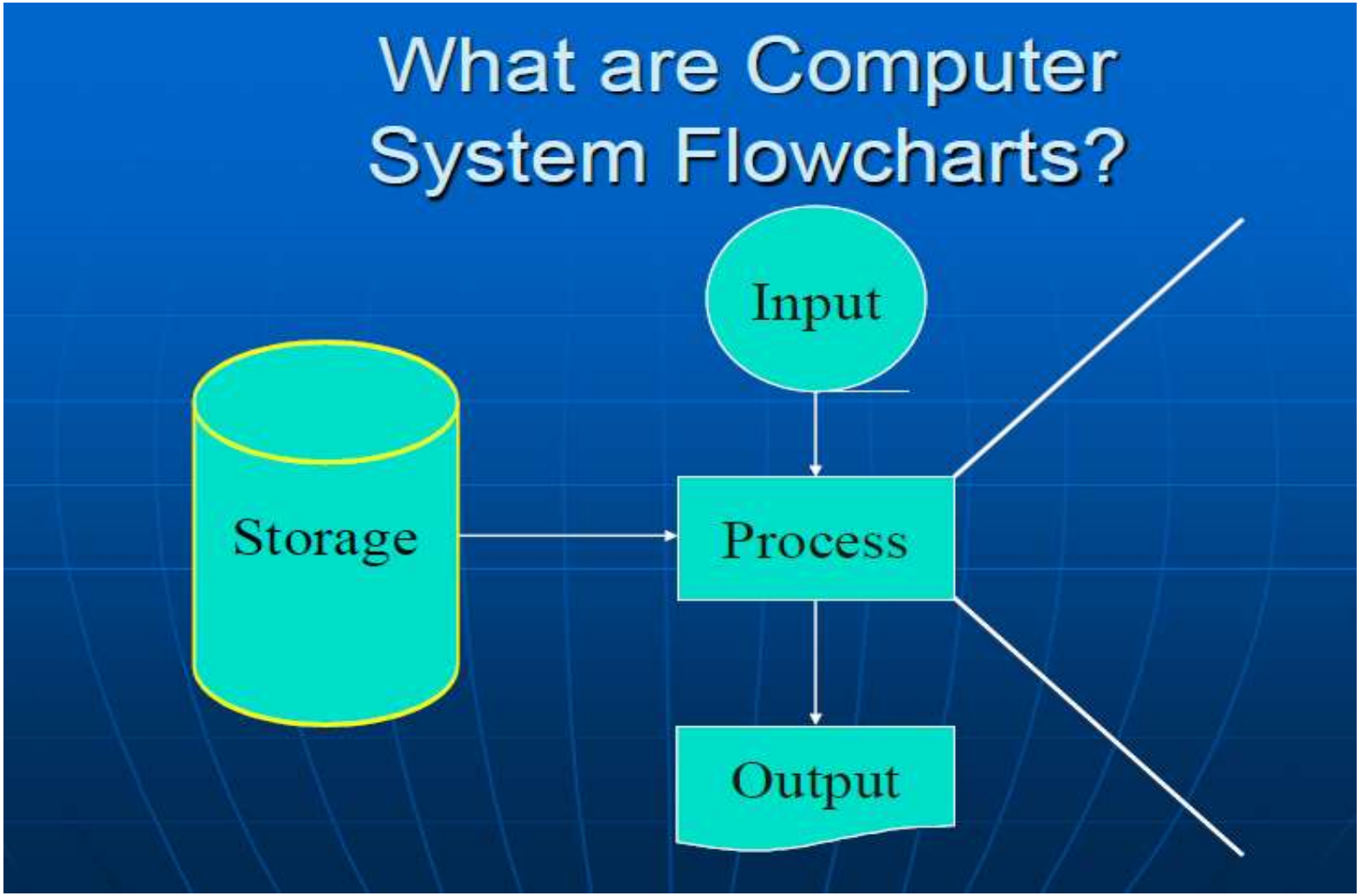
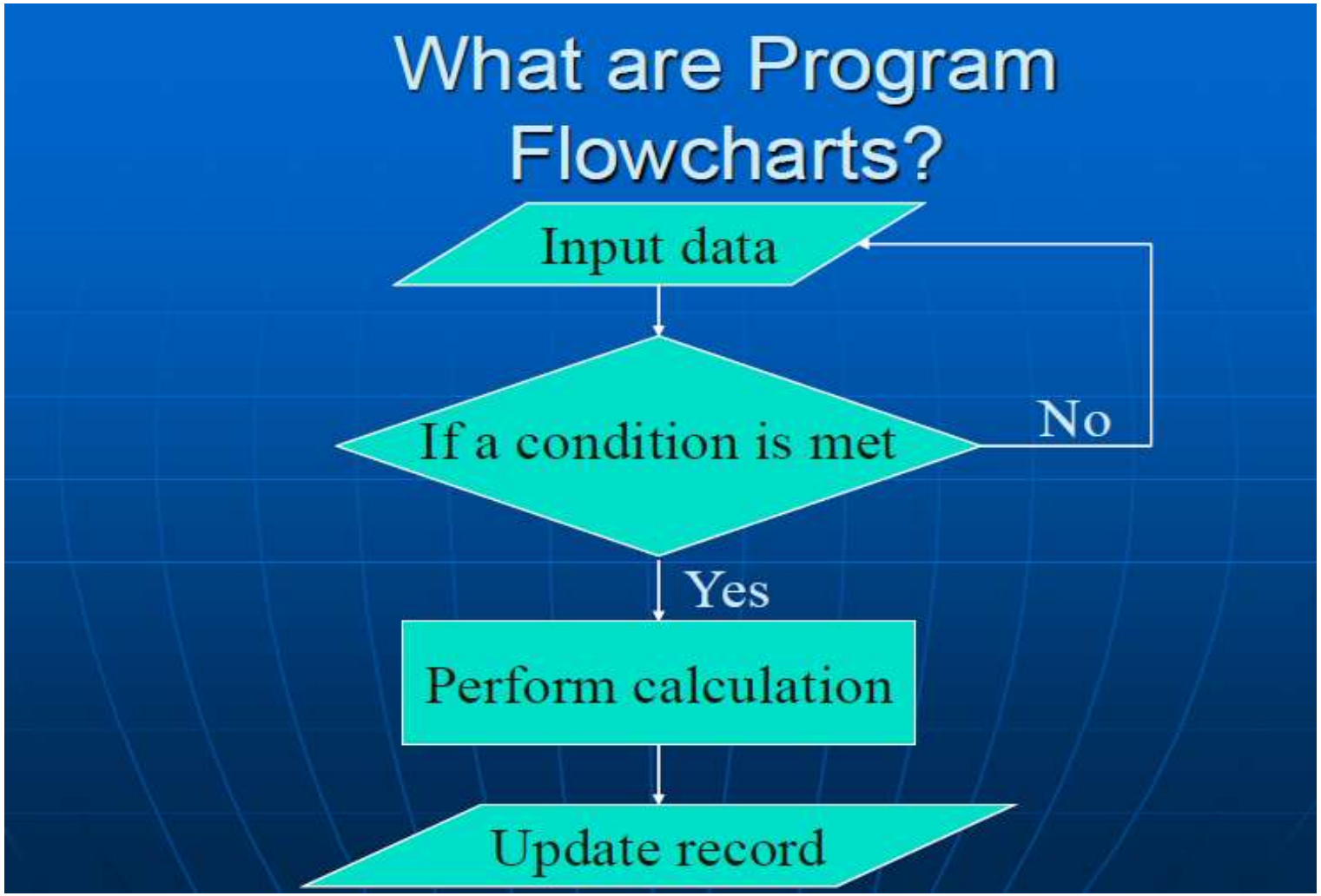
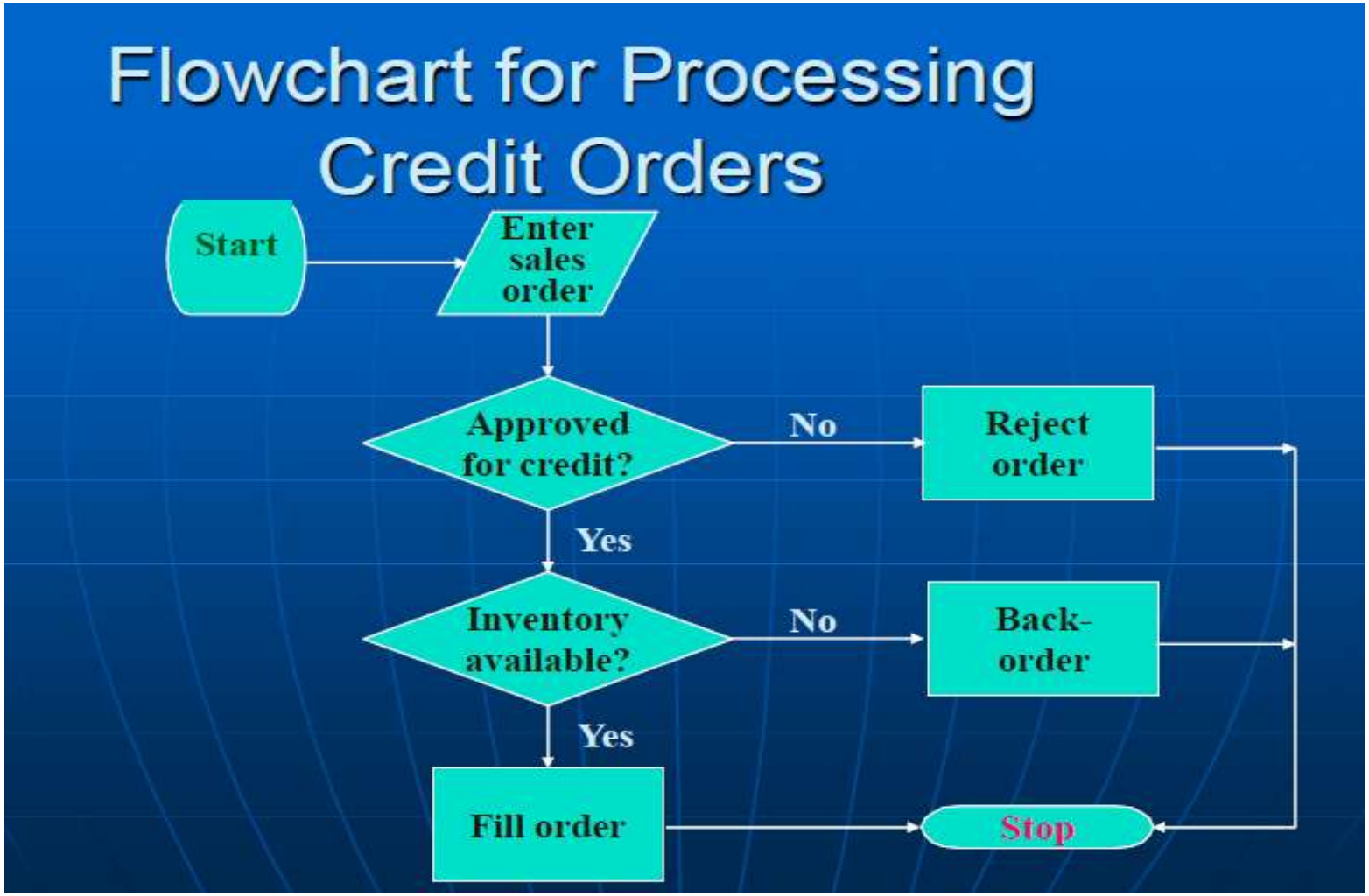
What are Computer System Flowcharts?

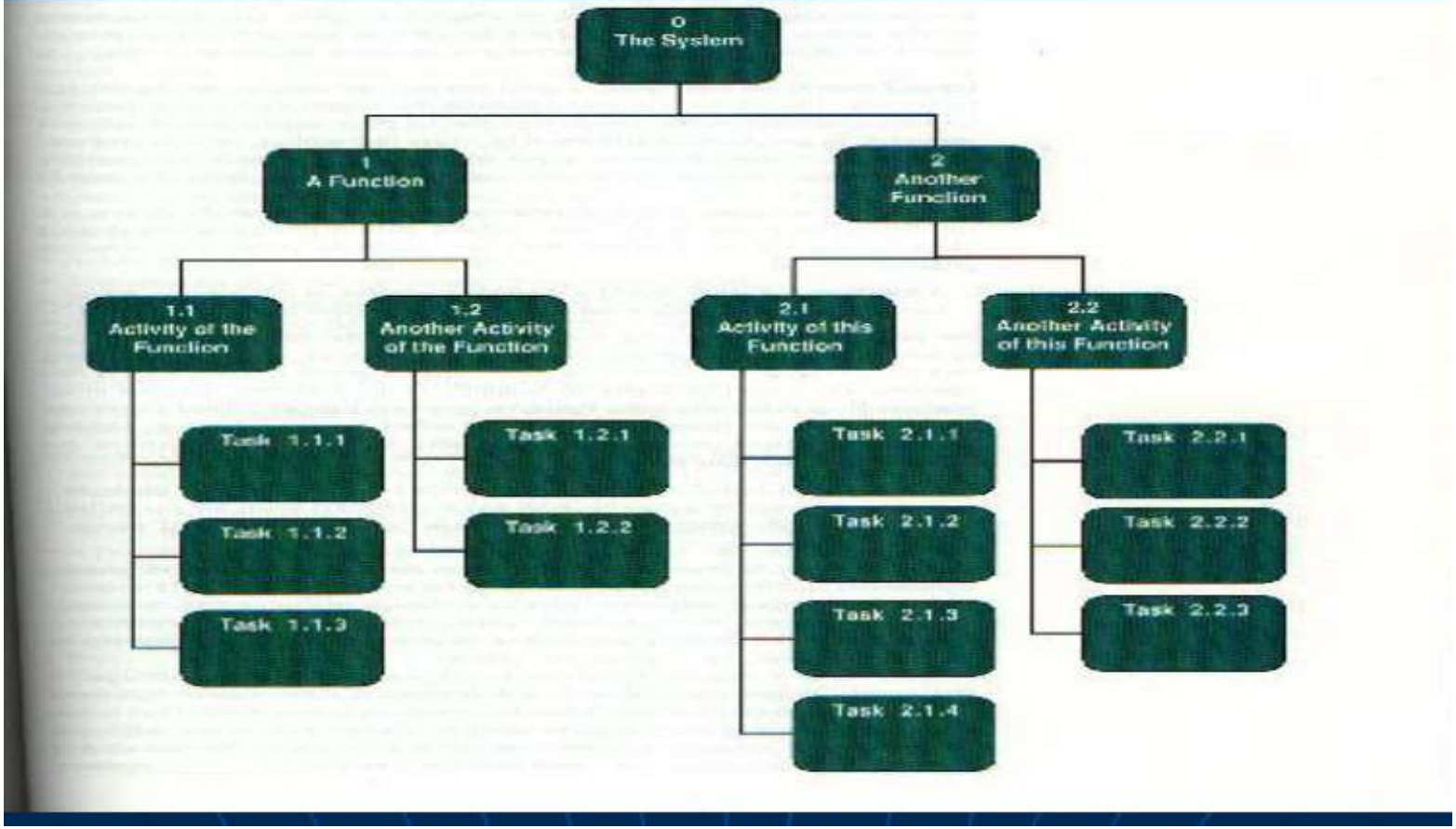
- The resulting new information is the output component.
- System flowcharts are an important tool of system analysis, design, and evaluation.


What are Computer System Flowcharts?
Input
Storage
Process
Output


What are Program Flowcharts?
Input data
If a condition is met
No
Yes
Perform calculation
Update record


Flowchart for Processing Credit Orders
Start
Enter sales order
Approved for credit?
No
Reject order
Yes
Inventory available?
No
Back-order
Yes
Fill order
Stop

HIPO Chart


0
The System
1
A Function
2
Another Function
1.1
Activity of the Function
1.2
Another Activity of the Function
2.1
Activity of this Function
2.2
Another Activity of this Function
Task 1.1.1
Task 1.1.2
Task 1.1.3
Task 1.2.1
Task 1.2.2
Task 2.1.1
Task 2.1.2
Task 2.1.3
Task 2.1.4
Task 2.2.1
Task 2.2.2
Task 2.2.3