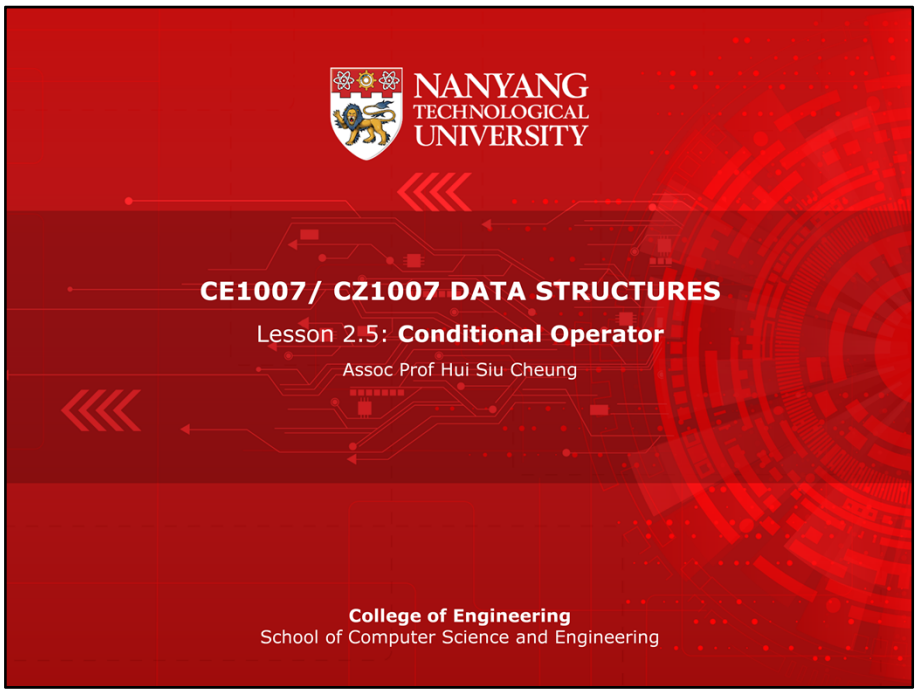
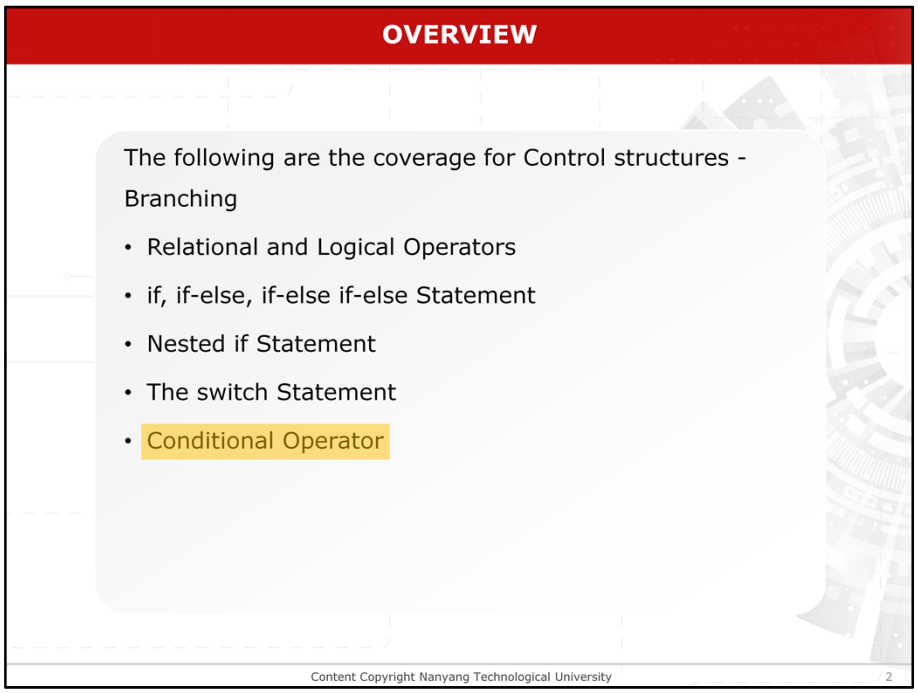


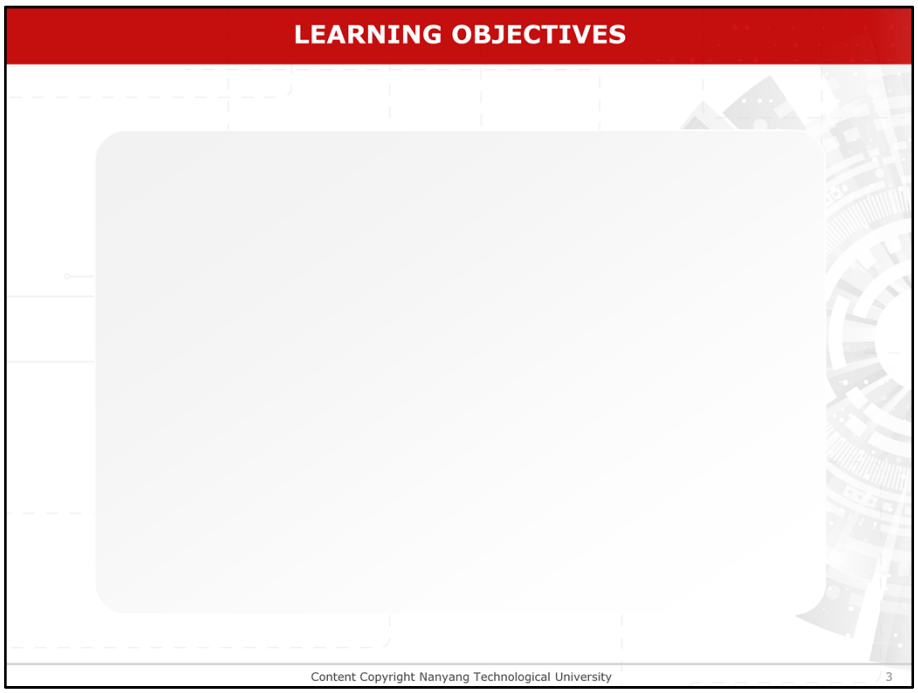
This lesson is on control structure branching



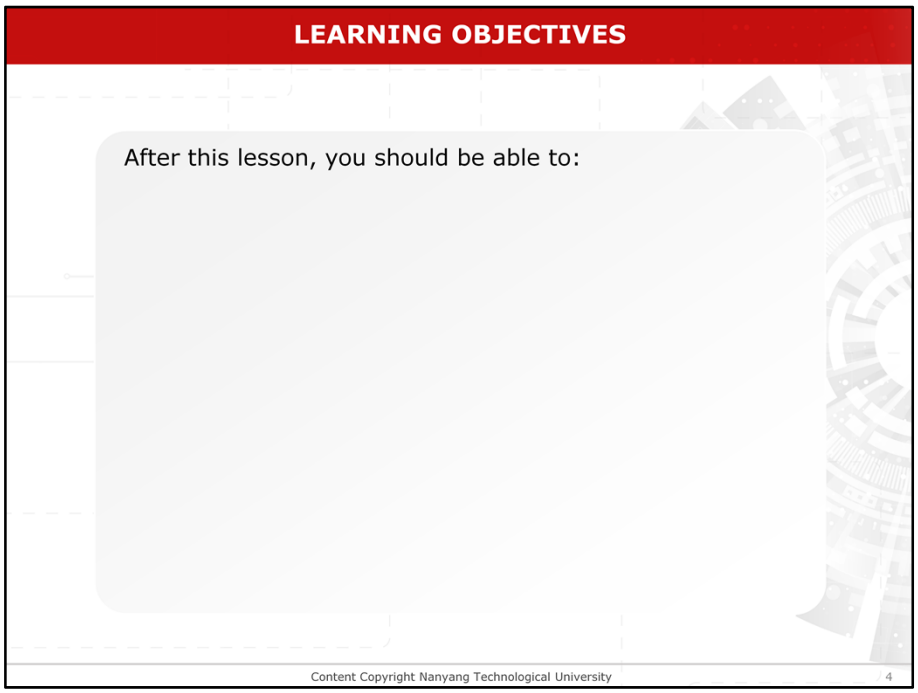
Basic C Programming

There are 5 main sections to cover for Control structures (branching).

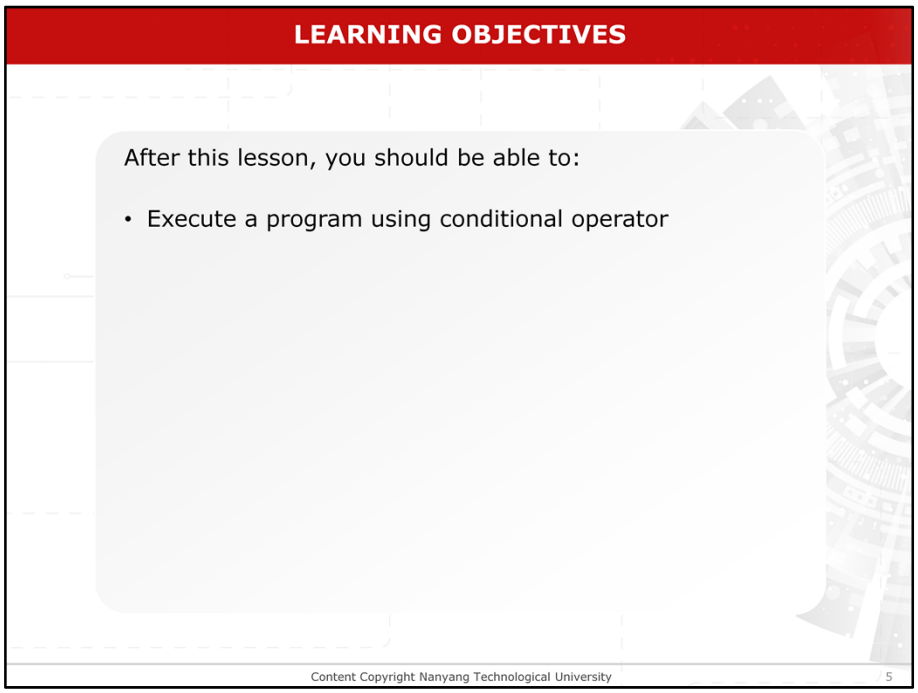
This video lesson focuses on the fifth part: conditional operator



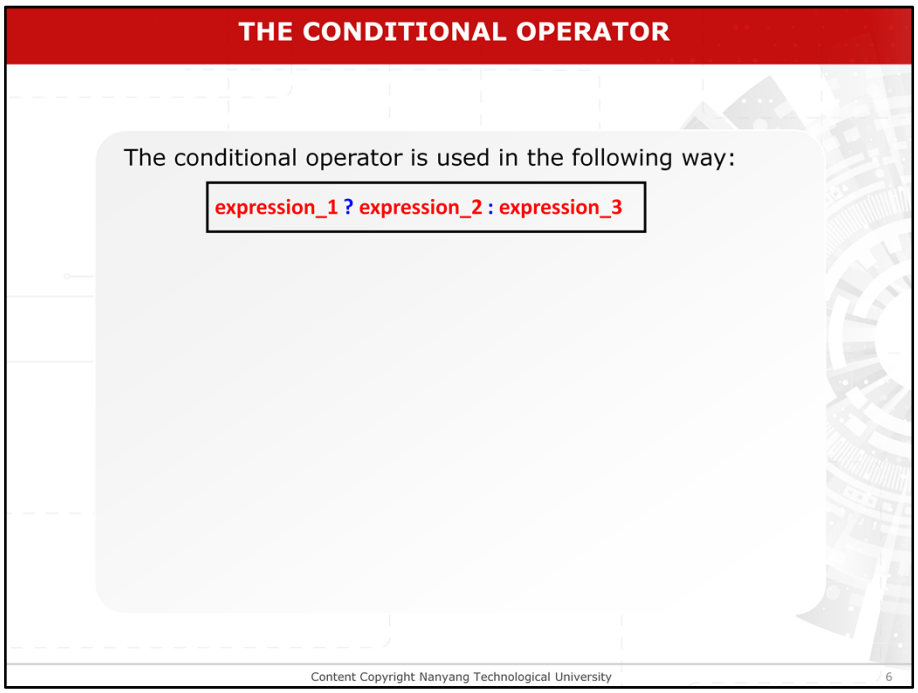
Learning objectives



After this lesson, you should be able to:

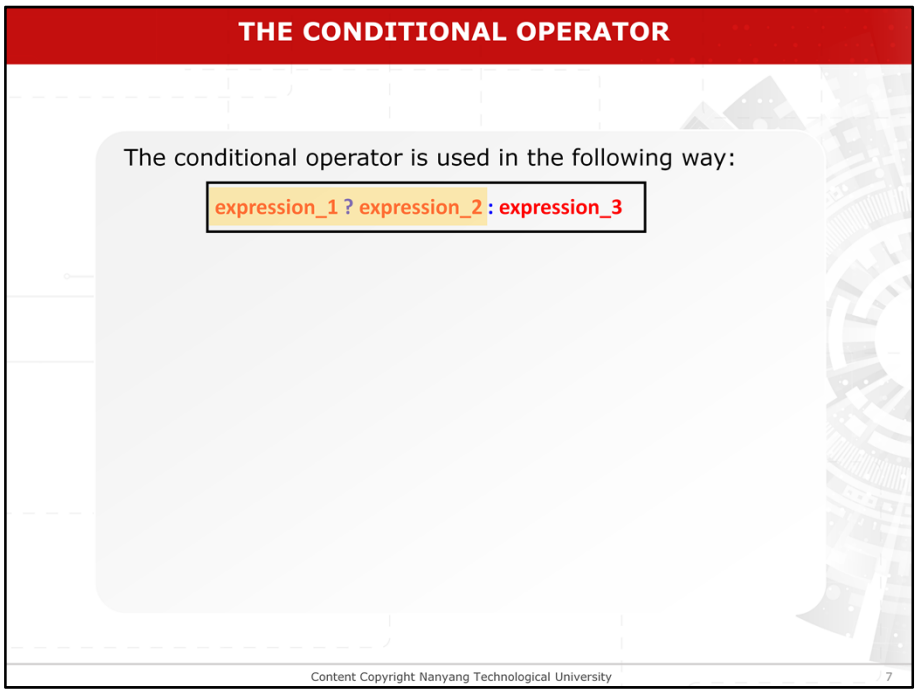


Execute a program using conditional operator



Conditional Operator

The conditional operator is a ternary operator, which takes three expressions



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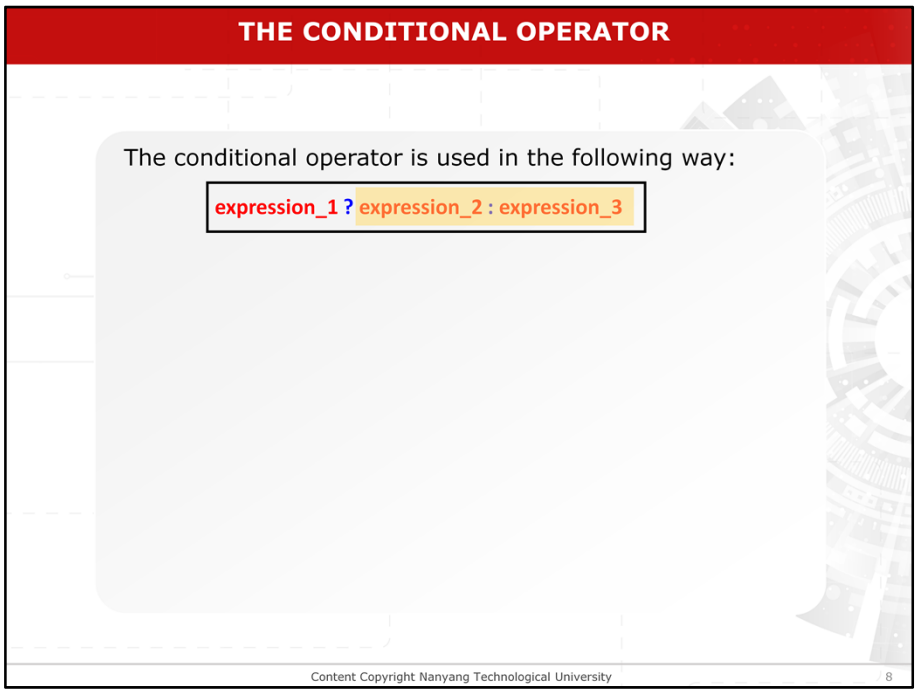

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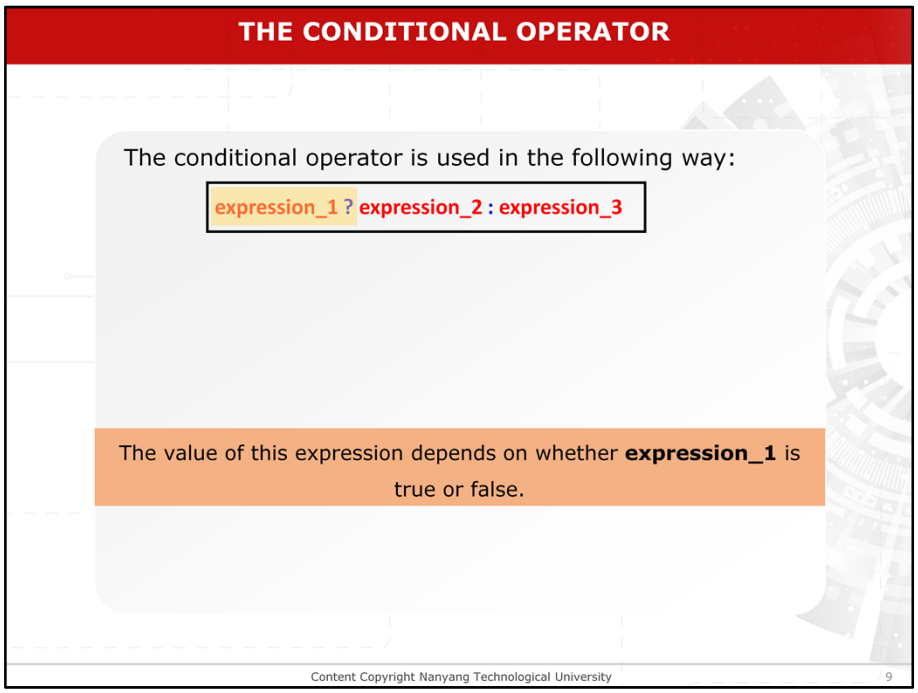
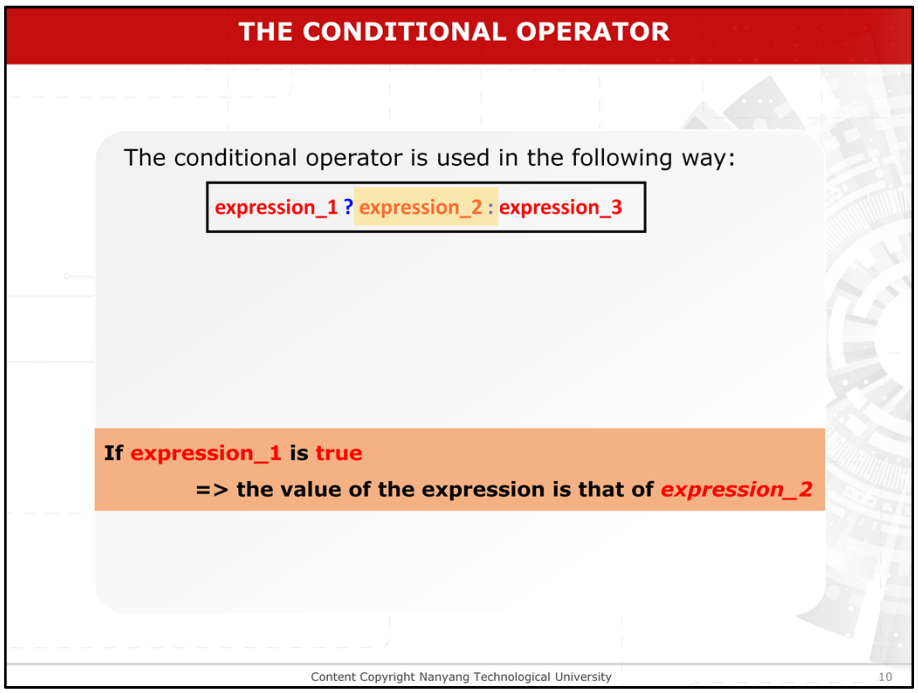
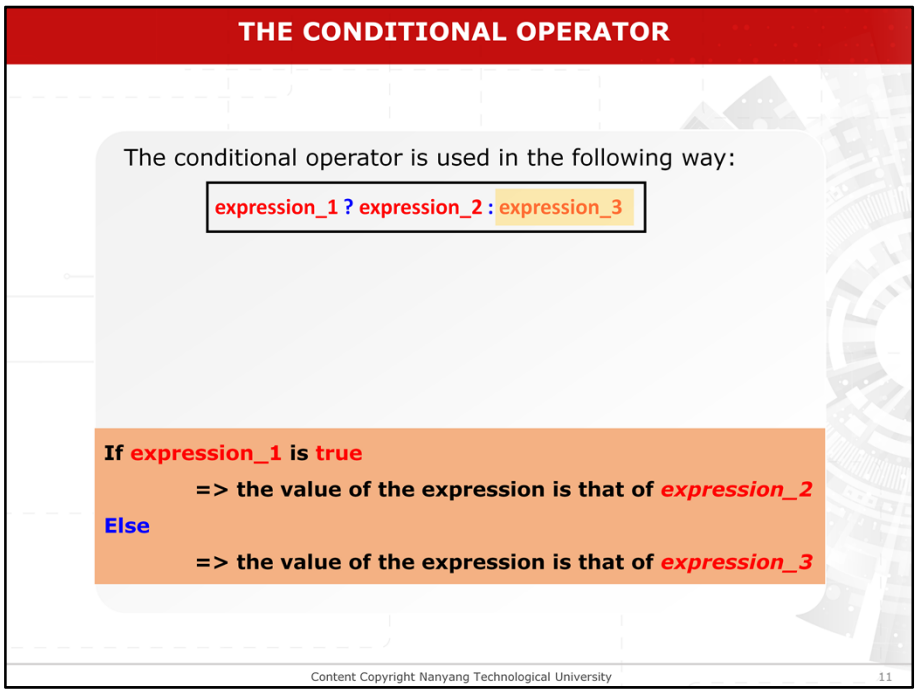


Conditional Operator

The value of this expression depends on whether **expression 1** is true or false.



If **expression 1** is true, the value of the expression becomes the value of **expression 2**,



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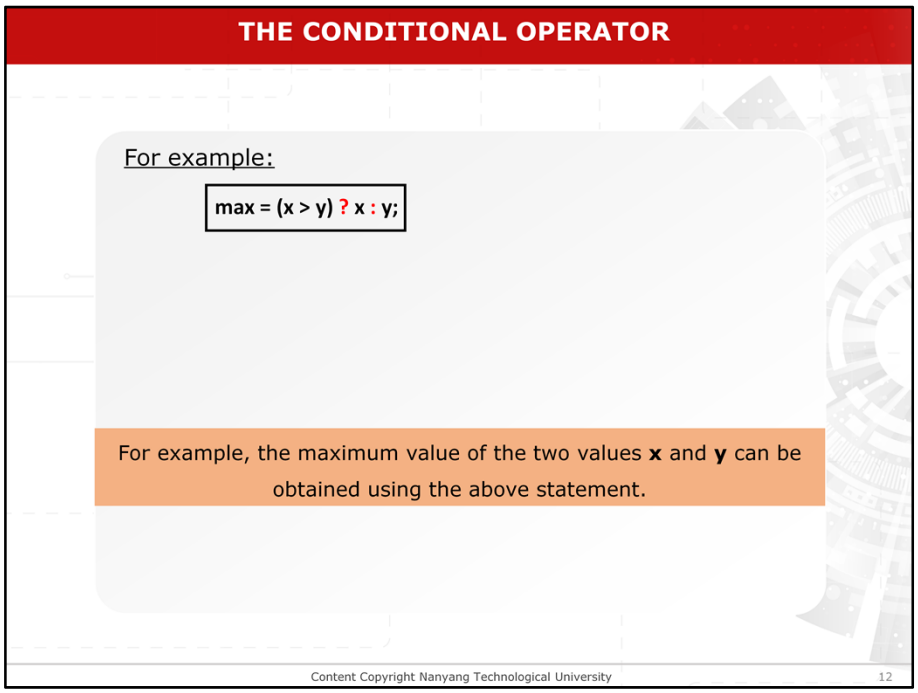
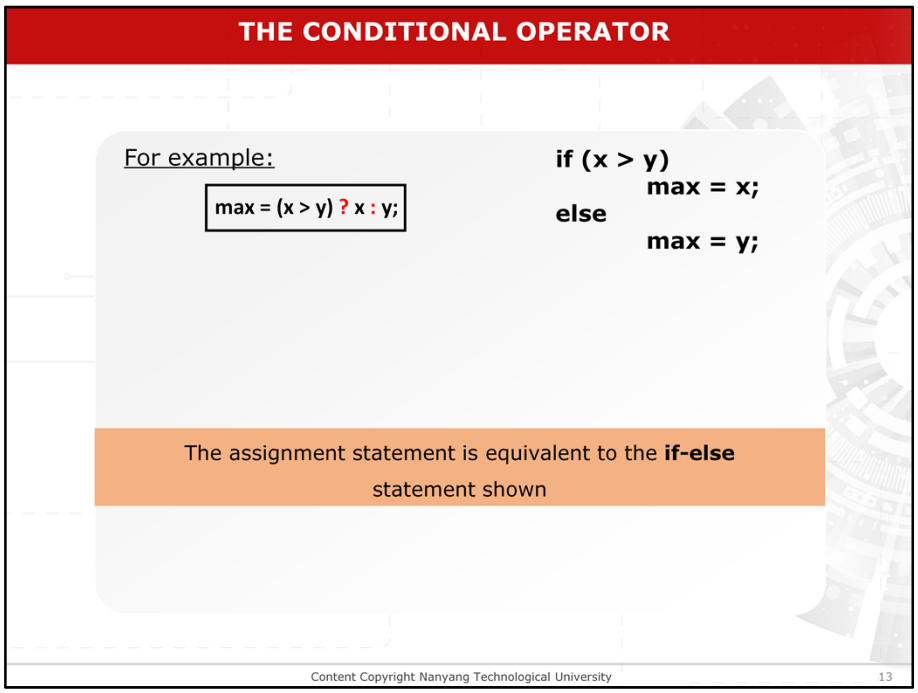


For example, the maximum value of the two values **x** and **y** can be obtained using the statement shown



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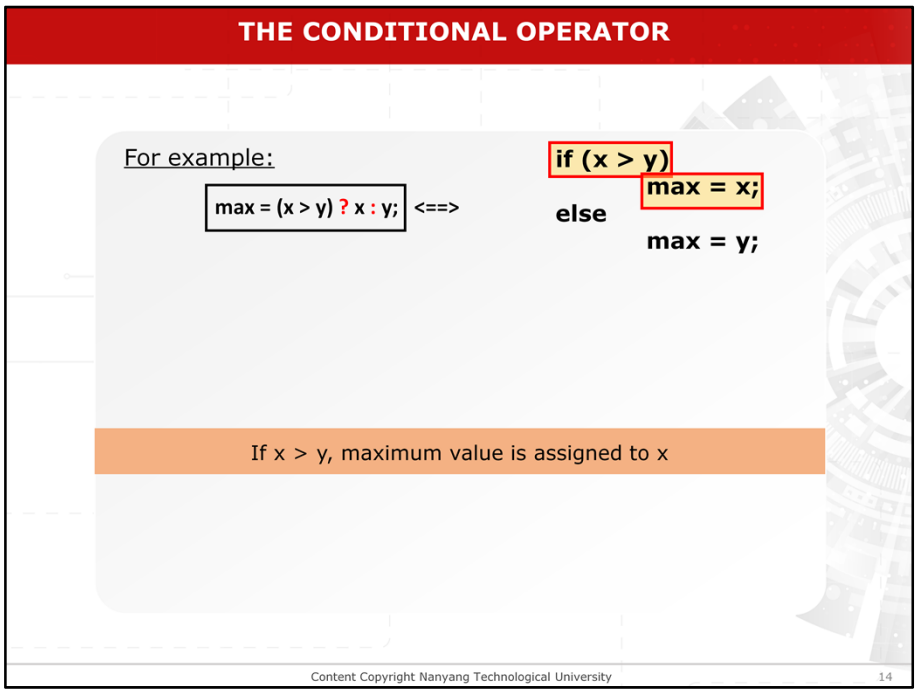
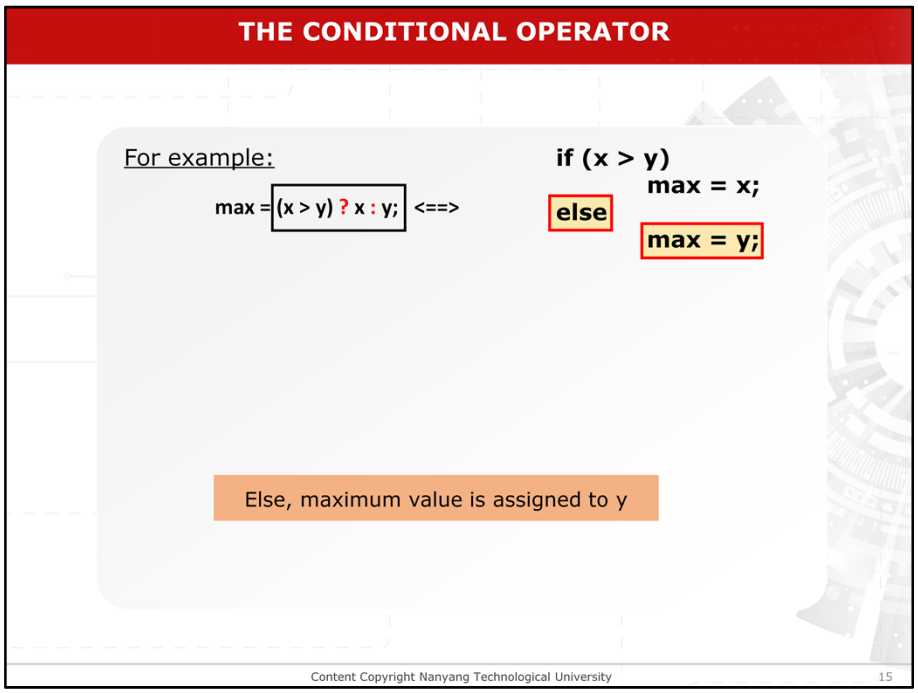


If x is greater than y, maximum value is assigned to x.



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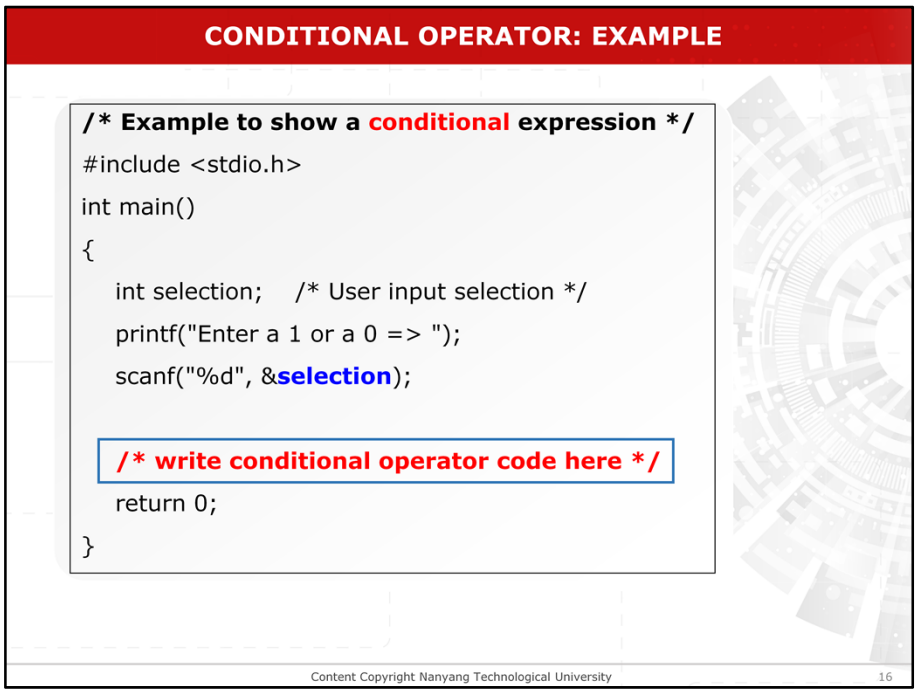
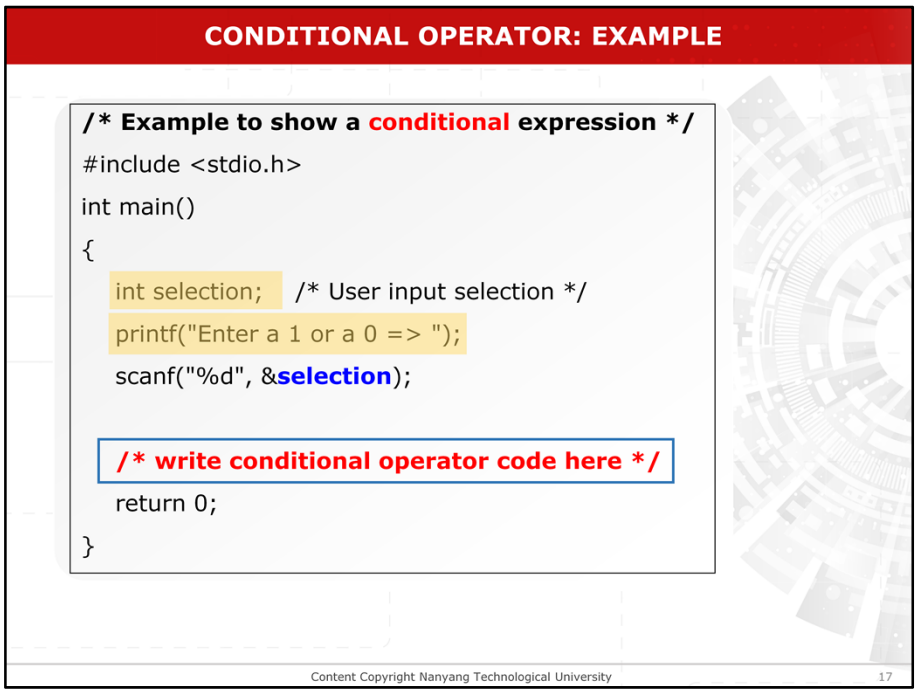


Conditional Operator: Example

The program gives an example on the use of the conditional operator.



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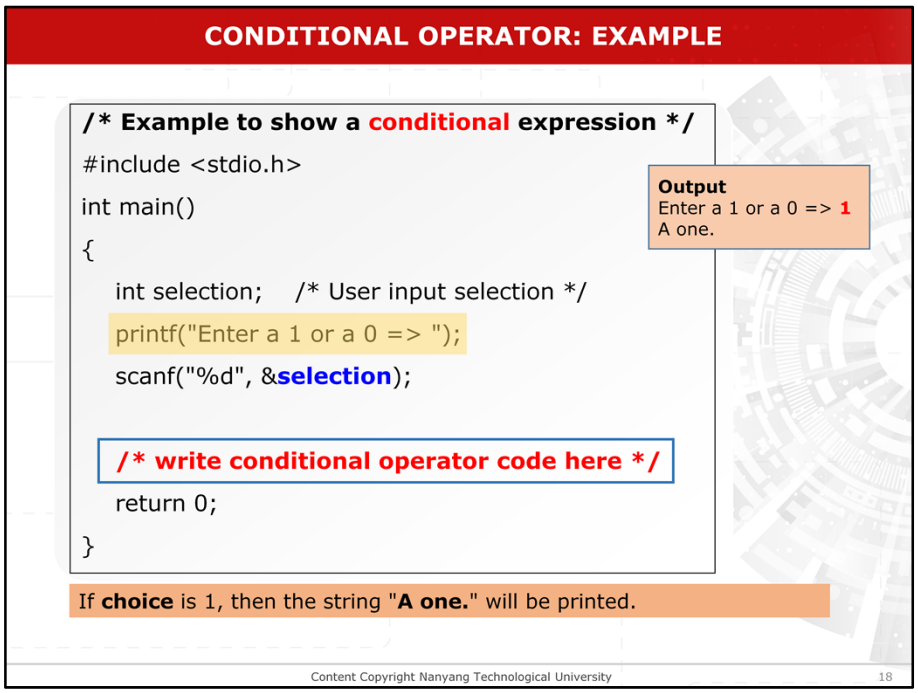
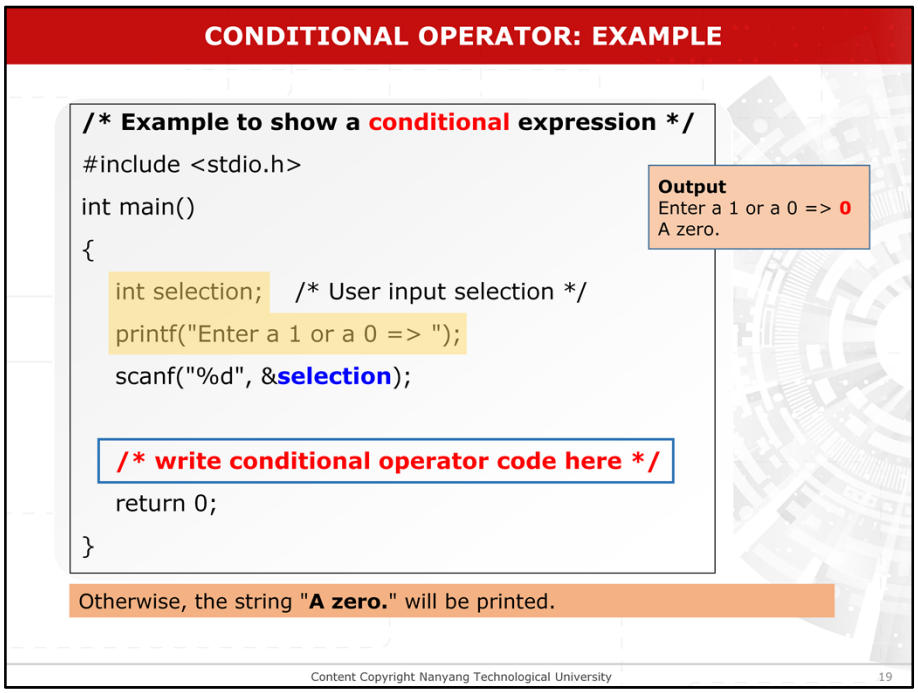
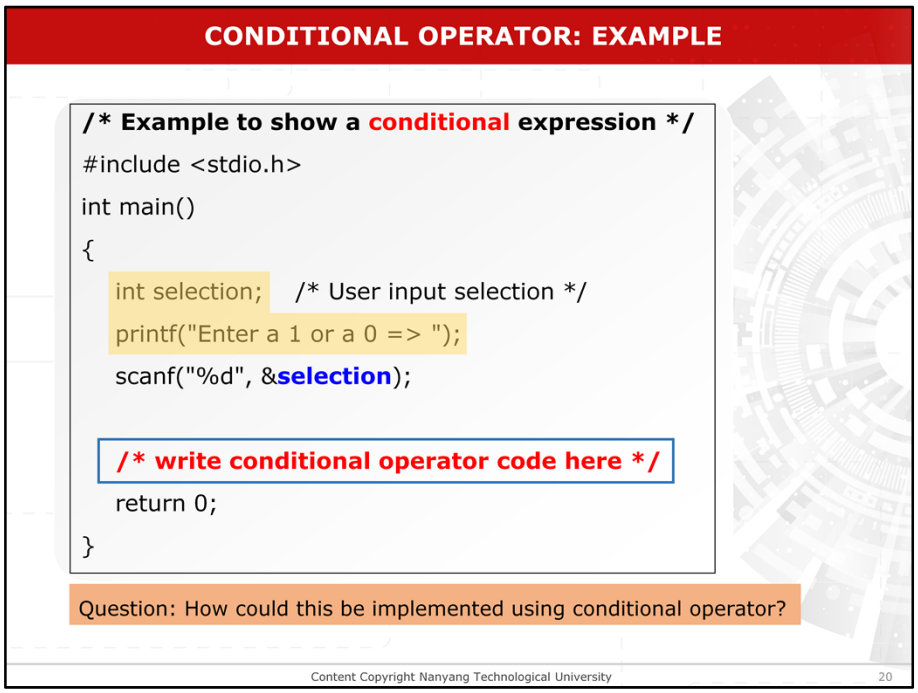


If **choice** is 1, then the string "**A one.**" will be printed.

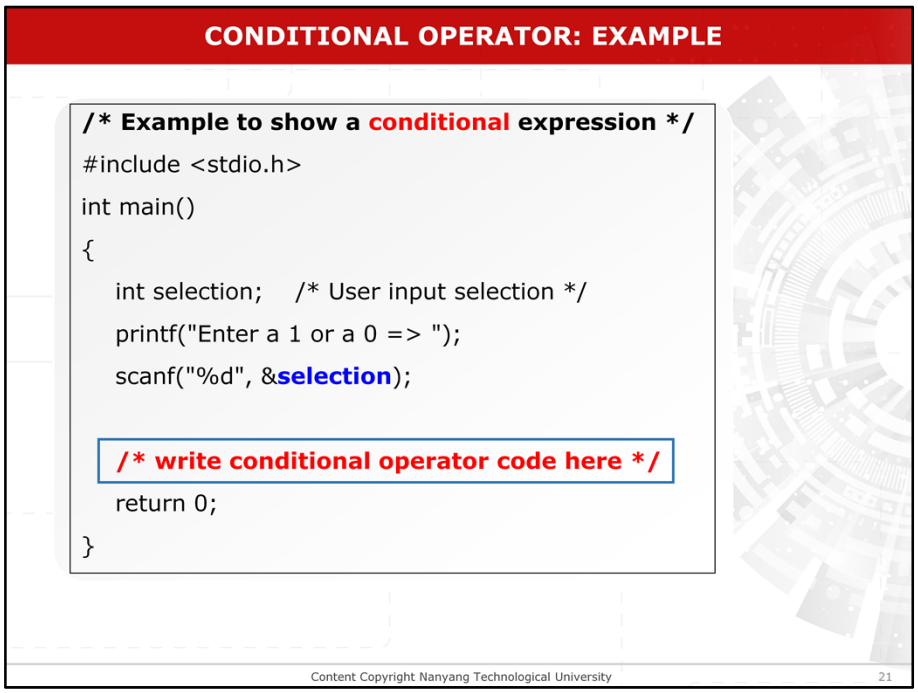


Otherwise, the string “**A Zero.**" will be printed.



Conditional Operator: Example

How could this be implemented using conditional operator?



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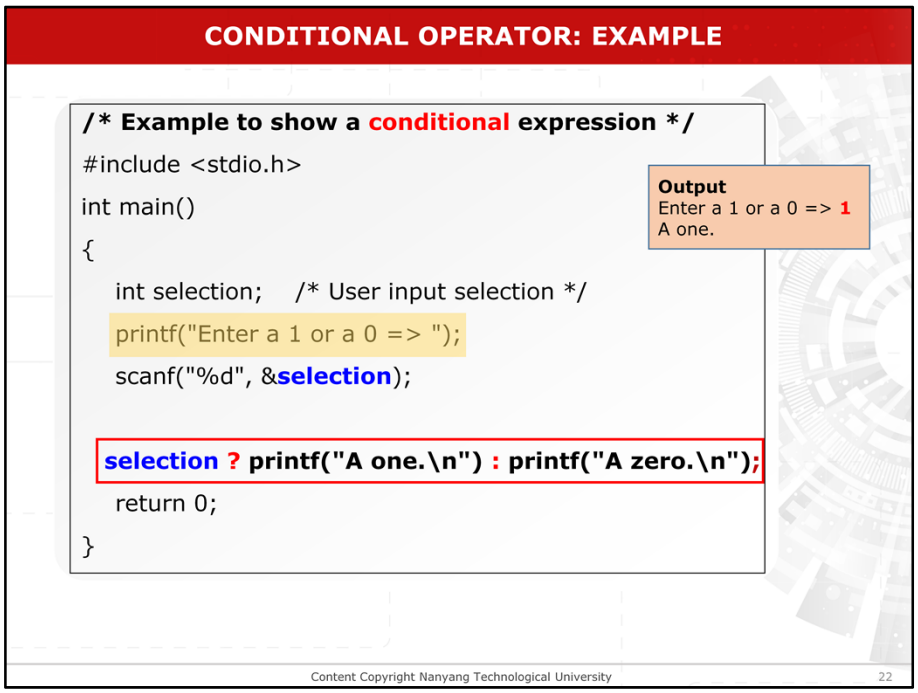

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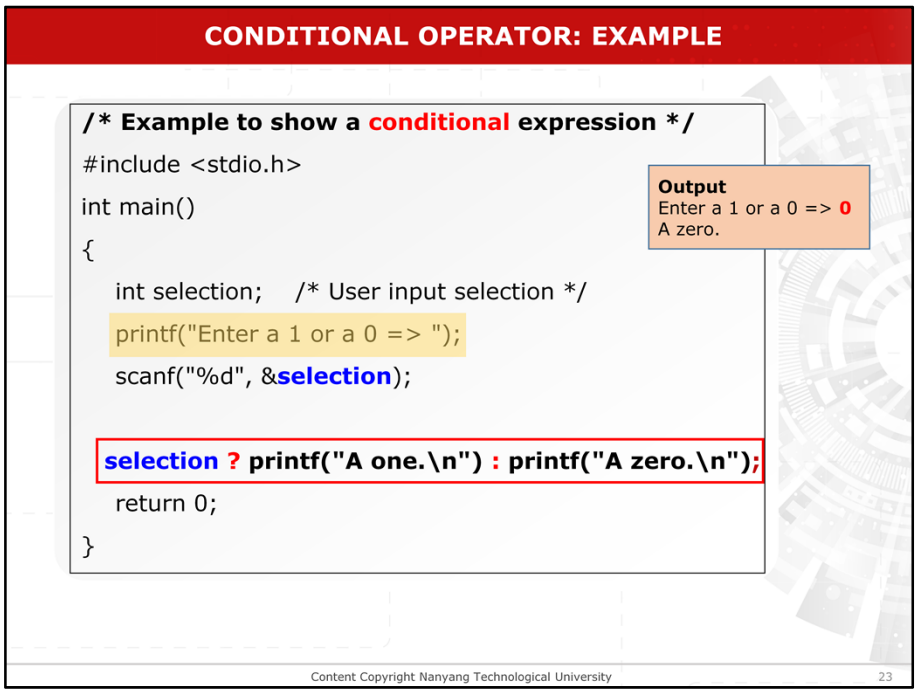

Conditional Operator: Example

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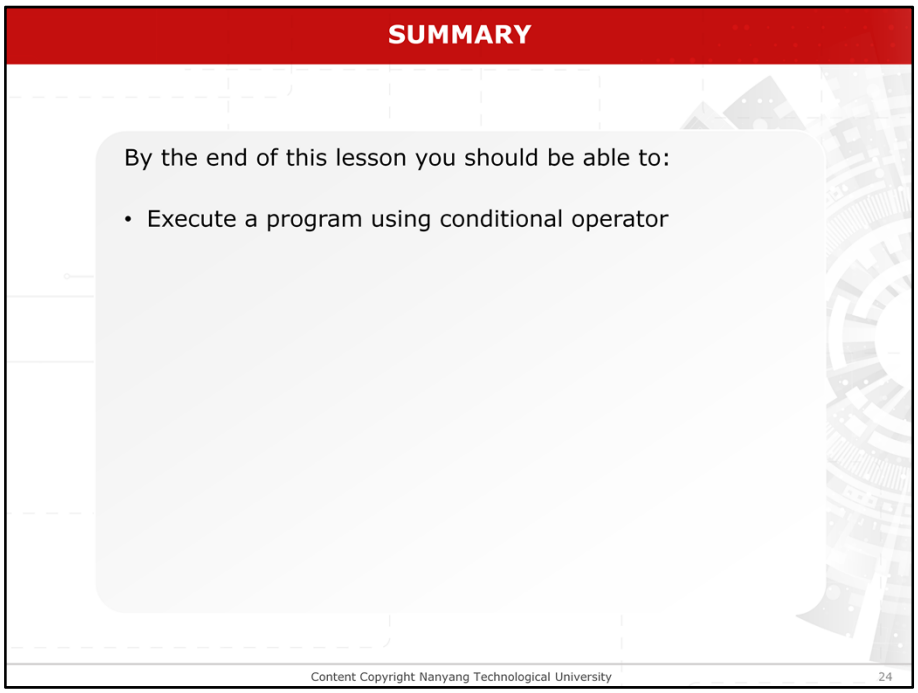

By the end of the lesson, you should be able to do the listed.