# Command Chaining Operators

➢ Command Chaining Operators are useful to combine multiple commands, so that we can write simple and short shell scripts
➢ They are:
  ➢ Pipe Operator                           |
  ➢ Semicolon Operator            ;
  ➢ Logical AND Operator     &&
  ➢ Logical OR Operator        ||
  ➢ Logical AND OR Operator && ||

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# Command Chaining Operators…

- **<u>Pipe Operator |</u>**
  - This operator is useful to pass output of one command as input to next command
  - Syntax
    - Command1 | Command2
  - Note:
    - By Default, Only Success Output from first command will be passed as an input to second command
    - If you want to pass error also to second command then:
      - Command1 2>&1 | Command2

- **<u>Semicolon Operator ;</u>**
  - This operator is useful to write and execute multiple command in one line
  - Syntax:
    - Command1 ; Command2 ; Command3 ;
  - Note: All Commands Executed Independently, but they execute in sequence

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# Command Chaining Operators…

- **Logical AND Operator &&**
  - **Syntax:**
    - **Command1 && Command2**
    - **Command1 && Command2 && Command3**
  - **Note:**
    - **AND Operator (&&) executes the second command only if first command executes successfully**
- **Logical OR Operator ||**
  - **Syntax:**
    - **Command1 || Command2**
    - **Command1 || Command2 || Command3**
  - **Note:**
    - **OR Operator (||) is completely Opposite to AND Operator**
    - **OR Operator executes the second command only if first command Fails**

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# Command Chaining Operators…

➢ **Logical AND - OR Operator && ||**
   ➢ **Syntax:**
      ➢ **Command1 && Command2 || Command3**
   ➢ **Note:**
      ➢ **If command1 is succeeded then command2 executes else command3 executes**
      ➢ **Its like If else logic**

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