**LAB NOTEBOOK**

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**Summer internship**

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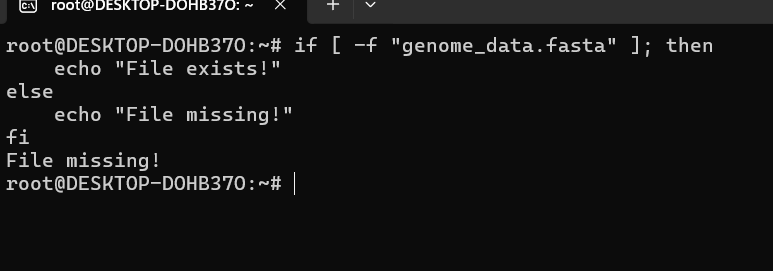
**Chapter 5. Flow Control**

**Topic:** Flow Control- if-else, return, and exit

Today, I explored key flow control concepts in Bash scripting that help automate tasks and manage execution behaviour efficiently.

**1. if-else Statements**

* The if statement allows conditional execution based on whether an expression is **true (exit status 0)** or **false (exit status ≠ 0)**.
* **Example: Checking if a file exists**



**2. return Statement in Functions**

* Used **only inside functions** to exit and pass an exit status.
* Syntax: return N (where N is an integer between 0-255).
* Example:

A computer screen shot of a black background

AI-generated content may be incorrect.

**3. exit Statement**

* Terminates **the entire script**, unlike return, which only exits a function.
* Syntax: exit N (similar to return).