Laboratory Work №5 — Tables

Practical Scientific Writing

Goal

To explore table creation in LaTeX and experiment with alignments, missing/extra items, and the `\multicolumn` command.

1. Simple Table Example

Table 1: Basic Table with Left Alignment (l)

Animal	Food	Size
Dog	Meat	Medium
Horse	Hay	Large
Frog	Flies	Small

Here, all columns are left-aligned (l).

2. Different Alignments

Below are examples with center and right alignment:

Table 2: Center and Right Alignment

Animal	**Food**	**Size**
Dog	Meat	Medium
Horse	Hay	Large
Frog	Flies	Small

Table 3: Right Alignment (r)

Animal	Food	Size
Dog	Meat	Medium
Horse	Hay	Large
Frog	Flies	Small

Note how the text shifts depending on l/c/r alignment.

3. Too Few or Too Many Items

Table 4: Rows with Missing or Extra Items

Animal	Food	Size
Dog	Meat	
Horse	Hay	Large
ExtraColumn		
Frog	Flies	Small

If a row has too few items, LaTeX leaves the missing cells empty. If a row has too many, it will cause a **"Extra alignment tab has been changed to \cr"** *warning or error.*

4. Using \multicolumn

Table 5: Using \multicolumn to Merge Columns

Animals and Food		
Animal	Food	Size
Dog	Meat	Medium
Horse	Hay	Large
Frog	Flies	Small

The header "Animals and Food" spans all three columns using \multicolumn{3}{c}{...}.

All experiments completed as per Lab Work №5 instructions.