

# Практикум по научному письму

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## Лабораторная работа 5

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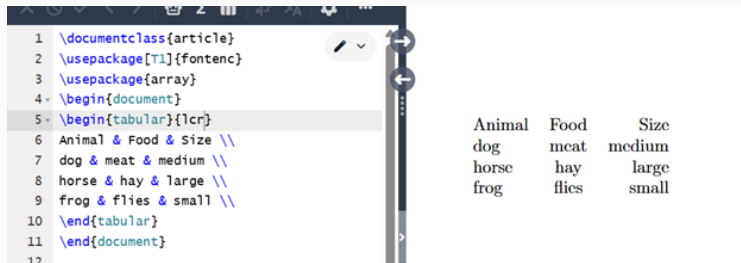
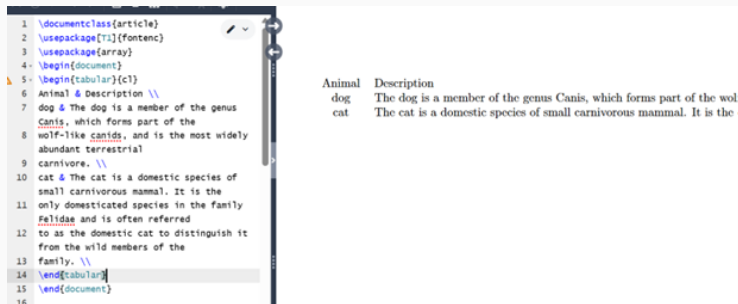


Рис. 1: LaTeX

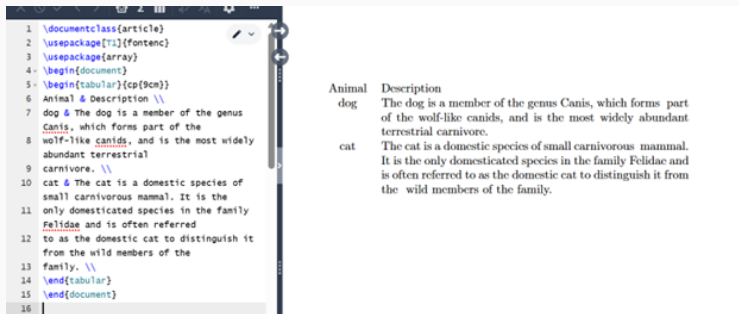


The image shows a LaTeX source code editor on the left and its rendered output on the right. The code defines a table with two columns: 'Animal' and 'Description'. The table contains two rows: one for 'dog' and one for 'cat'. The rendered output on the right shows the table as it appears, with the text from the code inserted into the cells.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \begin{document}
5 \begin{tabular}{c|l}
6 Animal & Description \\
7 dog & The dog is a member of the genus Canis, which forms part of the wolf-like canids, and is the most widely abundant terrestrial carnivore. \\
8 cat & The cat is a domestic species of small carnivorous mammal. It is the only domesticated species in the family Felidae and is often referred to as the domestic cat to distinguish it from the wild members of the family. \\
9 \end{tabular}
10 \end{document}
```

Animal	Description
dog	The dog is a member of the genus Canis, which forms part of the wolf-like canids, and is the most widely abundant terrestrial carnivore.
cat	The cat is a domestic species of small carnivorous mammal. It is the only domesticated species in the family Felidae and is often referred to as the domestic cat to distinguish it from the wild members of the family.

Рис. 2: LaTeX



The image shows a LaTeX editor interface. On the left, a code editor displays LaTeX source code for a table. On the right, the rendered output of the code is shown, displaying a table with two columns: 'Animal' and 'Description'.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \begin{document}
5 \begin{tabular}{cp{9cm}}
6 Animal & Description \\
7 dog & The dog is a member of the genus
8 Canis, which forms part of the
9 wolf-like canids, and is the most widely
10 abundant terrestrial
11 carnivore. \\
12 cat & The cat is a domestic species of
13 small carnivorous mammal. It is the
14 only domesticated species in the family
15 Felidae and is often referred
16 to as the domestic cat to distinguish it
17 from the wild members of the
18 family. \\
19 \end{tabular}
20 \end{document}
```

Animal	Description
dog	The dog is a member of the genus <i>Canis</i> , which forms part of the wolf-like canids, and is the most widely abundant terrestrial carnivore.
cat	The cat is a domestic species of small carnivorous mammal. It is the only domesticated species in the family <i>Felidae</i> and is often referred to as the domestic cat to distinguish it from the wild members of the family.

Рис. 3: LaTeX

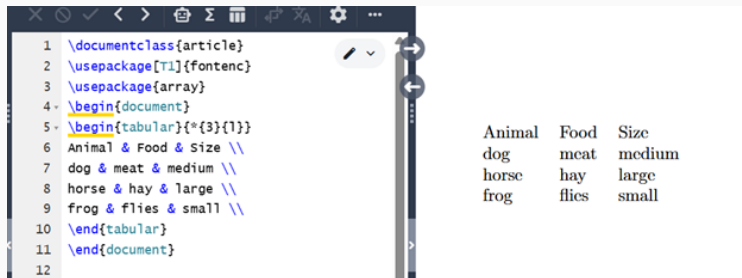
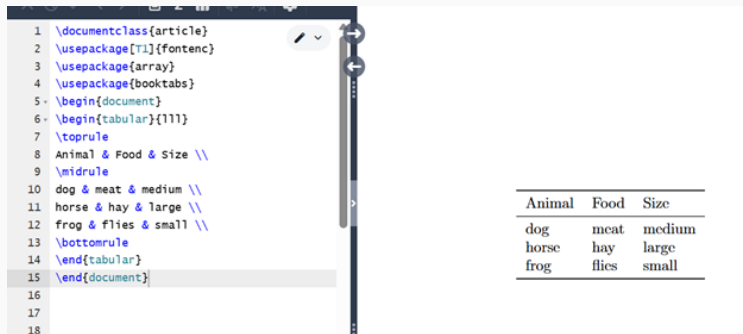


Рис. 4: LaTeX



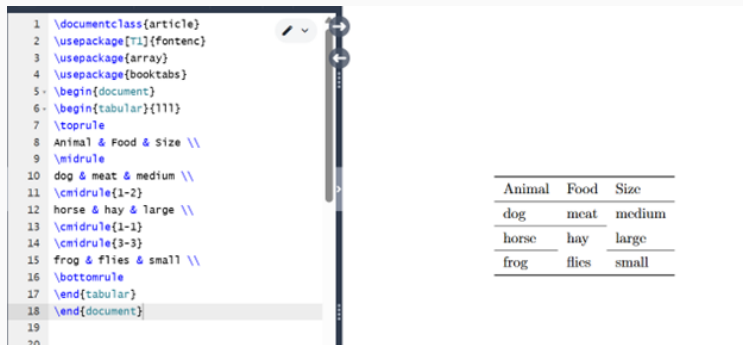
The image shows a LaTeX editor interface. On the left, a code editor displays the following LaTeX code:

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{booktabs}
5 \begin{document}
6 \begin{tabular}{lll}
7 \toprule
8 Animal & Food & Size \\
9 \midrule
10 dog & meat & medium \\
11 horse & hay & large \\
12 frog & flies & small \\
13 \bottomrule
14 \end{tabular}
15 \end{document}
```

On the right, the rendered output of the LaTeX code is shown as a table:

Animal	Food	Size
dog	meat	medium
horse	hay	large
frog	flies	small

Рис. 5: LaTeX



The image shows a LaTeX editor interface. On the left, a code editor displays LaTeX source code for creating a table. On the right, the rendered output of the code is shown as a table.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{booktabs}
5 \begin{document}
6 \begin{tabular}{|l|l|l|}
7 \toprule
8 Animal & Food & Size \\
9 \midrule
10 dog & meat & medium \\
11 \cmidrule{1-2}
12 horse & hay & large \\
13 \cmidrule{1-1}
14 \cmidrule{3-3}
15 frog & flies & small \\
16 \bottomrule
17 \end{tabular}
18 \end{document}
```

Animal	Food	Size
dog	meat	medium
horse	hay	large
frog	flies	small

Рис. 6: LaTeX



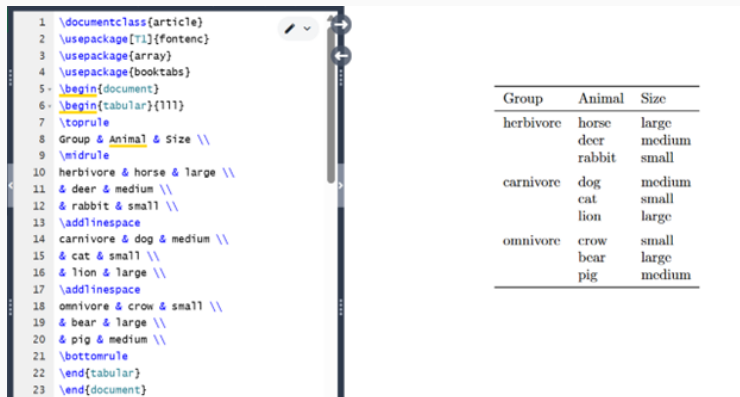


The image shows a LaTeX editor interface. On the left, a code editor displays LaTeX code for creating a table. On the right, the rendered output of the code is shown, which is a table with three columns: Animal, Food, and Size. The table has four rows of data. The code uses the `\documentclass{article}`, `\usepackage[T1]{fontenc}`, `\usepackage{array}`, and `\usepackage{booktabs}` packages. It starts with `\begin{document}` and `\begin{tabular}{lll}`. The table content is separated by horizontal rules (`\toprule`, `\midrule`, `\bottomrule`). The last row uses `\multicolumn{2}{c}{unknown}` for the Food and Size columns.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{booktabs}
5 \begin{document}
6 \begin{tabular}{lll}
7 \toprule
8 Animal & Food & Size \\
9 \midrule
10 dog & meat & medium \\
11 horse & hay & large \\
12 frog & flies & small \\
13 fuath & \multicolumn{2}{c}{unknown} \\
14 \bottomrule
15 \end{tabular}
16 \end{document}
```

Animal	Food	Size
dog	meat	medium
horse	hay	large
frog	flies	small
fuath	unknown	

Рис. 7: LaTeX



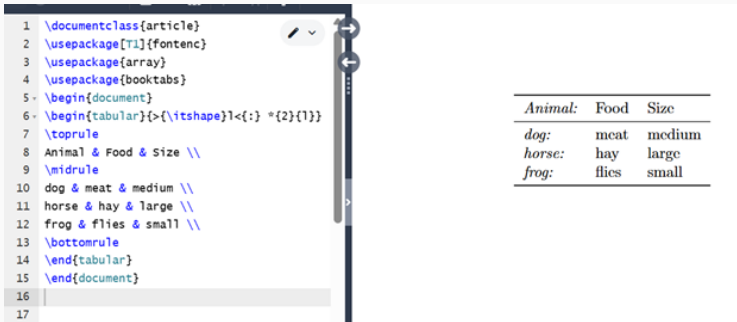
The image shows a LaTeX editor interface with a code editor on the left and a preview window on the right. The code editor contains the following LaTeX code:

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{booktabs}
5 \begin{document}
6 \begin{tabular}{lll}
7 \toprule
8 Group & Animal & Size \\
9 \midrule
10 herbivore & horse & large \\
11 & deer & medium \\
12 & rabbit & small \\
13 \addlinespace
14 carnivore & dog & medium \\
15 & cat & small \\
16 & lion & large \\
17 \addlinespace
18 omnivore & crow & small \\
19 & bear & large \\
20 & pig & medium \\
21 \bottomrule
22 \end{tabular}
23 \end{document}
```

The preview window displays the rendered table:

Group	Animal	Size
herbivore	horse	large
	deer	medium
	rabbit	small
carnivore	dog	medium
	cat	small
	lion	large
omnivore	crow	small
	bear	large
	pig	medium

Рис. 8: LaTeX



The image shows a LaTeX editor interface. On the left, a code editor displays the following LaTeX code:

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{booktabs}
5 \begin{document}
6 \begin{tabular}{>\itshape l<{:} *{2}{l}}
7 \toprule
8 Animal & Food & Size \\
9 \midrule
10 dog & meat & medium \\
11 horse & hay & large \\
12 frog & flies & small \\
13 \bottomrule
14 \end{tabular}
15 \end{document}
```

On the right, the rendered table is displayed:

<i>Animal:</i>	Food	Size
<i>dog:</i>	meat	medium
<i>horse:</i>	hay	large
<i>frog:</i>	flies	small

Рис. 9: LaTeX



The image shows a LaTeX editor interface. On the left, a code editor displays the following LaTeX code:

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \setlength{\tabcolsep}{1cm}
5 \begin{document}
6 \begin{tabular}{lll}
7 Animal & Food & Size \\
8 dog & meat & medium \\
9 horse & hay & large \\
10 frog & flies & small \\
11 \end{tabular}
12 \end{document}
```

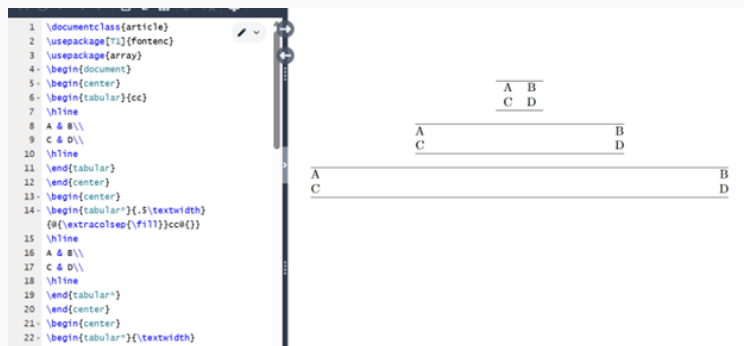
On the right, the rendered output of the code is shown as a table with three columns and four rows:

Animal	Food	Size
dog	meat	medium
horse	hay	large
frog	flies	small

Рис. 10: LaTeX



Рис. 11: LaTeX



The image shows a LaTeX editor window with a code editor on the left and a preview window on the right. The code editor contains the following LaTeX code:

```
1 \documentclass{article}
2 \usepackage{tbl} {fontenc}
3 \usepackage{array}
4 \begin{document}
5 \begin{center}
6 \begin{tabular}{cc}
7 \hline
8 A & B \\
9 C & D \\
10 \hline
11 \end{tabular}
12 \end{center}
13 \begin{center}
14 \begin{tabular*}{\textwidth}{c}
15 \hline
16 A & B \\
17 C & D \\
18 \hline
19 \end{tabular*}
20 \end{center}
21 \begin{center}
22 \begin{tabular}{c}
```

The preview window displays three tables. The first table is a 2x2 table with columns A and B, and rows C and D. The second table is a 2x2 table with columns A and B, and rows C and D. The third table is a 2x2 table with columns A and B, and rows C and D.

Рис. 12: LaTeX

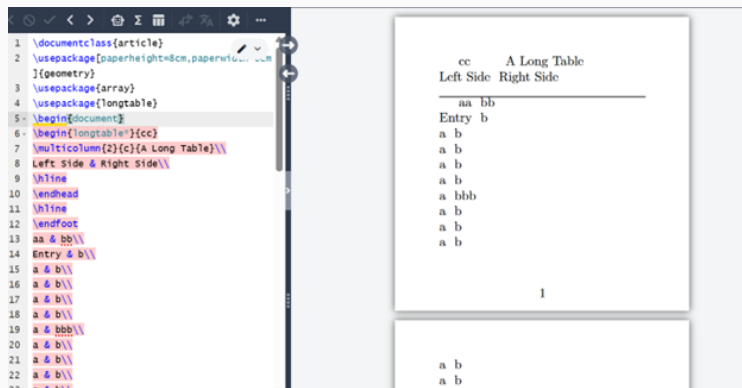
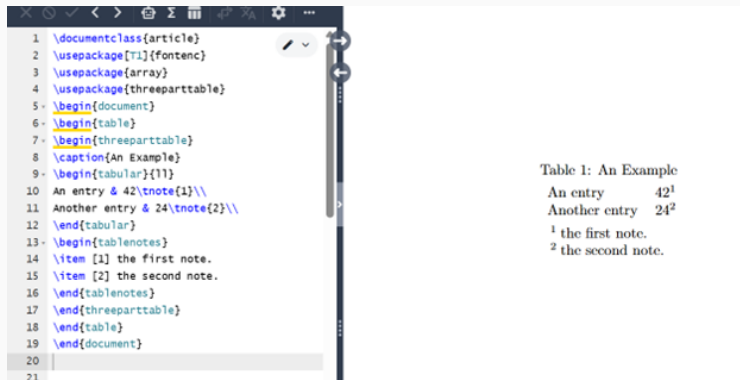


Рис. 13: LaTeX



The image shows a LaTeX editor interface with a source code editor on the left and a preview window on the right. The source code defines a document class, loads packages, and creates a table with two entries and two footnotes. The preview window shows the rendered output, including the table and the footnotes.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{array}
4 \usepackage{threeparttable}
5 \begin{document}
6 \begin{table}
7 \begin{threeparttable}
8 \caption{An Example}
9 \begin{tabular}{ll}
10 An entry & 42\tnote{1}\\
11 Another entry & 24\tnote{2}\\
12 \end{tabular}
13 \begin{tablenotes}
14 \item [1] the first note.
15 \item [2] the second note.
16 \end{tablenotes}
17 \end{threeparttable}
18 \end{table}
19 \end{document}
```

Table 1: An Example

An entry	42 <sup>1</sup>
Another entry	24 <sup>2</sup>

<sup>1</sup> the first note.  
<sup>2</sup> the second note.

Рис. 14: LaTeX





Рис. 15: LaTeX

- Познакомилась с LaTeX
- Изучила новый пакет
- Научилась создавать и редактировать таблицы

Спасибо за внимание!