Different Forms of Tables (Part-1)

Name of the student

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1 Introduction

This article explains how to use LaTeX to create and customize tables: changing size/spacing, combining rows and columns of cells.

1.1 Sample 1

Following is the code and result of a simple table created. The tabular environment is the default LATEX method to create tables. You must specify a parameter to this environment; here we use {c c c} which tells LaTeX there are three columns and the text inside each one of them must be centred.

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

1.2 Sample 2

The tabular environment provides additional flexibility; for example, you can put separator lines in between each column. The \hline command is used to put a horizontal line on the top and bottom of the table. Creating a table with boundaries is demonstrated below:

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

1.3 Sample 3

We have created a slightly more complex form of a table with more rows and columns with an application of \hline command as per requirement.

Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415
3	545	778	7507
4	545	18744	7560
5	88	788	6344

1.4 Sample 4

Combining rows and columns:
The command \multicolumn and \multirow are used to combine rows and columns in a table in LaTeX.

1.4.1 Example of multi-column is demonstrated below:

The number of columns to be combined is displayed in \multicolumn{}.

Books		
Food name	Author	Publication
Book1	Author1	P1
Book1	Author2	P2
Book1	Author3	P3
Book1	Author4	P4

1.4.2 Example of multi-row is demonstrated below:

To combine rows you need to add the multirow package to your document preamble. The number of rows to be combined is displayed in \multirow{}. We can also specify the size of multirow by writing \multirow{}{2cm}.

col1	col2	col3
	cell2	cell3
Multiple row	cell5	cell6
	cell8	cell9

2 Prepare a record in the form of a table showing the results of a student in 10th standard, 12th standard, and Graduation result serially (SL. no as one column) highlighting the Board/ University and Year of passing in each case in separate columns.

Name of the student			
Sl No	Standard	Board	Percentage