# Table Examples in mbadocx

This document demonstrates various table features.

## Example 1: Basic Table

A simple 3x3 table:

|  |  |  |
| --- | --- | --- |
| **Name** | **Age** | **City** |
| John Doe | 30 | New York |
| Jane Smith | 25 | London |

## Example 2: Table from Data

Creating table from 2D array:

|  |  |  |
| --- | --- | --- |
| **Product** | **Price** | **Stock** |
| Laptop | $999 | 15 |
| Mouse | $25 | 50 |
| Keyboard | $75 | 30 |

## Example 3: Table with Headers

Using the AddTableWithHeaders method:

| **Employee** | **Department** | **Salary** | **Status** |
| --- | --- | --- | --- |
| Alice Johnson | Engineering | $120,000 | Full-time |
| Bob Williams | Marketing | $95,000 | Full-time |
| Charlie Brown | Sales | $85,000 | Contract |
| Diana Prince | HR | $90,000 | Full-time |

## Example 4: Merged Cells

Table with merged cells:

|  |  |  |  |
| --- | --- | --- | --- |
| **Quarterly Sales Report 2024** | | | |
| **Region** | **Q1** | **Q2** | **Total** |
| North | $50,000 | $55,000 | $105,000 |
| South | $45,000 | $48,000 | $93,000 |
| **Total** | **$95,000** | **$103,000** | **$198,000** |

## Example 5: Custom Column Widths

Table with custom column widths:

|  |  |  |
| --- | --- | --- |
| Narrow | Medium Width | Wide Column |
| A | This is medium | This column has more space |
| B | Another row | With different content lengths |

## Conclusion

These examples demonstrate the table functionality in mbadocx library.

Tables can be customized with:

* Custom column widths
* Cell merging
* Background colors (shading)
* Text formatting (bold, colors, sizes)
* Borders and alignment
* Header rows