

# ■ Python-docx Table Formatting Cheat Sheet

| Formatting Feature | Code Snippet   | Notes                                       |
|--------------------|--|---|
| Set column width   | <code>cell.width = Inches(1.5)</code>  | Apply per cell; disable autofit for effect. |
| Disable auto-fit   | <code>table.allow_autofit = False</code>   | Ensures fixed widths are respected.         |
| Text wrapping ON   | <code>cell._tc.tcPr.append(OxmlElement('w:noWrap'))</code><br>(remove for wrapping)  | Controls wrapping at cell level.            |
| Set font style     | <code>run.font.bold = True</code><br><code>run.font.size = Pt(12)</code>   | Works on paragraph runs.                    |
| Align text (cell)  | <code>cell.paragraphs[0].alignment = WD_ALIGN_PARAGRAPH.CENTRE</code>  | Left, right, center, justified.             |
| Vertical alignment | <code>cell.vertical_alignment = WD_ALIGN_VERTICAL.CENTER</code>  | Top, center, bottom.                        |
| Background color   | <code>shading = OxmlElement('w:shd')</code><br><code>shading.set(qn('w:fill'), 'FFFF00')</code><br><code>cell._tc.get_or_add_tcPr().append(shading)</code> | Fills entire cell (e.g., yellow).           |
| Borders            | <code>tcPr = cell._tc.get_or_add_tcPr()</code><br><code>... border.set(qn('w:val'), 'single')</code>   | Full border control (size, color, type).    |
| Merge cells        | <code>table.cell(0,0).merge(table.cell(0,1))</code>  | Horizontal or vertical merging.             |
| Row height         | <code>row.height = Cm(1)</code><br><code>row.height_rule = WD_ROW_HEIGHT_RULE.EXACTLY</code>   | Fixed or minimum row height.                |
| Table style        | <code>table.style = 'Light Grid Accent 1'</code>   | Use built-in Word styles.                   |