

Code 05 - Creating Tables

Example 01

```
from manim import *

class Myscene(Scene):

    def construct(self):

        table = Table(
            [
                ["1,1", "1,2", "1,3"],
                ["2,1", "2,2", "2,3"],
                ["3,1", "3,2", "3,3"]],
            include_outer_lines = True,
            row_labels=[MathTex(r"\frac{\pi}{2}"), Text(""), Text("")]
        ).scale(0.6)

        text = Text("(Row, Column)").scale(0.5).next_to(table, UP*2)

        self.play(Write(table), Write(text))

        self.wait(5)

        table.add_highlighted_cell((1,1), color=GREEN)
        table.add_highlighted_cell((1,2), color=RED)
        table.add_highlighted_cell((1,3), color=YELLOW)

        for c in range(1,4):
            for r in range(2,4):
                table.add_highlighted_cell((r,c), color = BLUE)

        self.wait(15)
```