from pptx import Presentation

from pptx.util import Inches, Pt

from pptx.enum.shapes import MSO\_SHAPE

from pptx.dml.color import RGBColor

# Create presentation

prs = Presentation()

# Define slide layout

title\_slide\_layout = prs.slide\_layouts[0]

bullet\_slide\_layout = prs.slide\_layouts[1]

# Title Slide

slide = prs.slides.add\_slide(title\_slide\_layout)

title = slide.shapes.title

subtitle = slide.placeholders[1]

title.text = "Sales Performance Report: 2015-2016"

subtitle.text = "A Comprehensive Review of Agent, Product, and Branch Performance"

# Footer

for shape in slide.shapes:

if not shape.has\_text\_frame:

continue

text\_frame = shape.text\_frame

for paragraph in text\_frame.paragraphs:

for run in paragraph.runs:

run.font.size = Pt(24)

# Slide content definitions

slides\_content = [

("Executive Summary", [

"Overview of sales performance across 2015 and 2016",

"Key growth metrics and highlights"

]),

("Agent Performance Overview", [

"Top-performing agents by revenue",

"Year-over-year comparisons",

"Percentage contribution to total sales"

]),

("Agent Performance Comparison", [

"Bar chart of agent sales in 2015 vs 2016",

"Growth rates and performance shifts"

]),

("Product Performance Overview", [

"Best-selling products",

"Revenue contribution by product category"

]),

("Product Performance Comparison", [

"Pie charts or bar graphs for 2015 vs 2016",

"Percentage changes and trends"

]),

("Branch Performance Overview", [

"Sales by branch",

"Regional performance highlights"

]),

("Branch Performance Comparison", [

"Comparative analysis of branch growth",

"Top and bottom performers"

]),

("Monthly Sales Trends: 2015", [

"Line chart of monthly sales",

"Seasonal patterns and anomalies"

]),

("Monthly Sales Trends: 2016", [

"Line chart of monthly sales",

"Notable changes from 2015"

]),

("Insights and Observations", [

"Key drivers of performance",

"Challenges and opportunities"

]),

("2-Year Summary", [

"Total sales, growth rate, average monthly sales",

"Summary table with key metrics"

]),

("Strategic Recommendations", [

"Actionable insights for improving sales",

"Focus areas for agents, products, and branches"

]),

("Thank You / Q&A", [

"Summary of trends",

"Invitation for questions"

])

]

# Add bullet slides

for title, bullets in slides\_content:

slide = prs.slides.add\_slide(bullet\_slide\_layout)

shapes = slide.shapes

title\_shape = shapes.title

body\_shape = shapes.placeholders[1]

title\_shape.text = title

tf = body\_shape.text\_frame

tf.clear()

for bullet in bullets:

p = tf.add\_paragraph()

p.text = bullet

p.level = 0

p.font.size = Pt(18)

p.font.color.rgb = RGBColor(0, 0, 0)

# Save presentation

output\_path = "/mnt/data/Sales\_Performance\_Report\_2015\_2016.pptx"

prs.save(output\_path)

print(f"Presentation saved to {output\_path}")