Command Line Interface

1. **help** - Displays a list of all commands

   Usage: help

   Description: Shows all available commands with their usage and descriptions.

2. **new_slide** - Creates a new slide

   Usage: new_slide [title]

   Description: Creates a new slide with the given title. If no title is provided, a blank title is used.

3. **open** - Opens an existing presentation file

   Usage: open [filename]

   Description: Opens an existing presentation file for editing.

4. **save** - Saves the current presentation

   Usage: save

   Description: Saves the current presentation to the existing file.

5. **save_as** - Saves the current presentation to a new file

   Usage: save_as [new_filename]

   Description: Saves the presentation with a new name or location.

6. **close** - Closes the current presentation

   Usage: close

   Description: Closes the currently open presentation.

7. **add_text** - Adds text to a selected slide

   Usage: add_text [slide_number] [text]

   Description: Adds the specified text to the selected slide.

8. **edit_text** - Edits existing text on a slide

   Usage: edit_text [slide_number] [text_id] [new_text]

   Description: Modifies the content of the specified text.

9. **delete_text** - Deletes text from a slide

Usage: delete_text [slide_number] [text_id]

Description: Removes the specified text from the selected slide.

10. **add_shape** - Adds a shape to a slide

Usage: add_shape [slide_number] [shape_type] [x] [y] [width] [height]

Description: Adds a new shape (rectangle, circle, ellipse, etc.) to the specified slide.

11. **modify_shape** - Modifies the properties of a shape

Usage: modify_shape [slide_number] [shape_id] [property] [new_value]

Description: Changes properties such as color, size, and position of the shape.

12. **delete_shape** - Deletes a shape from a slide

Usage: delete_shape [slide_number] [shape_id]

Description: Removes the specified shape from the selected slide.

13. **move_shape** - Moves a shape to a new position

Usage: move_shape [slide_number] [shape_id] [new_x] [new_y]

Description: Moves the specified shape to new coordinates.

14. **resize_shape** - Resizes a shape

Usage: resize_shape [slide_number] [shape_id] [new_width] [new_height]

Description: Changes the size of the specified shape.

15. **add_image** - Adds an image to a slide

Usage: add_image [slide_number] [image_path] [x] [y] [width] [height]

Description: Adds an image from the specified file path to the slide.

16. **edit_image** - Modifies the properties of an image

Usage: edit_image [slide_number] [image_id] [property] [new_value]

Description: Changes properties like size, position, and rotation of the image.

17. **delete_image** - Deletes an image from a slide

    Usage: delete_image [slide_number] [image_id]

    Description: Removes the specified image from the selected slide.

18. **change_background** - Changes the background color or image of a slide

    Usage: change_background [slide_number] [color/image_path]

    Description: Changes the slide's background to a specified color or image.

19. **set_transition** - Sets a transition effect between slides

    Usage: set_transition [slide_number] [effect_type]

    Description: Sets a transition effect such as fade, slide, or wipe.

20. **reorder_slides** - Changes the order of slides

    Usage: reorder_slides [slide_number] [new_position]

    Description: Reorders the slide to a new position.

21. **duplicate_slide** - Duplicates a slide

    Usage: duplicate_slide [slide_number]

    Description: Creates a copy of the specified slide.

22. **add_animation** - Adds animation to an element on a slide

    Usage: add_animation [slide_number] [element_id] [animation_type]

    Description: Adds an animation effect like fly-in, fade, or zoom to a slide element.

23. **remove_animation** - Removes animation from an element

    Usage: remove_animation [slide_number] [element_id]

Description: Removes the animation from the specified slide element.

24. **format_text** - Changes the format of the text

Usage: format_text [slide_number] [text_id] [font] [size] [color]

Description: Changes the font, size, and color of the specified text.

25. **group_elements** - Groups multiple elements together

Usage: group_elements [slide_number] [element_ids...]

Description: Groups specified elements together for simultaneous editing.

26. **ungroup_elements** - Ungroups grouped elements

Usage: ungroup_elements [slide_number] [group_id]

Description: Breaks a group of elements back into individual items.

27. **lock_element** - Locks an element in place

Usage: lock_element [slide_number] [element_id]

Description: Prevents an element from being accidentally moved or edited.

28. **unlock_element** - Unlocks a locked element

Usage: unlock_element [slide_number] [element_id]

Description: Allows a previously locked element to be edited or moved again.

29. **export_presentation** - Exports the presentation to a file format

Usage: export_presentation [format] [filename]

Description: Exports the current presentation in a specified format (e.g., PDF, PPTX).

30. **play_presentation** - Plays the presentation

Usage: play_presentation

Description: Starts the presentation from the beginning, showing each slide in order.

31. **exit** - Exits the program

    Usage: exit

    Description: Closes the program.