

createWindow(title, height, width, color)

- Creates a program window.
 - Parameters:
 - title – string: title of program window
 - height – int: height of window
 - width – int: width of window
 - color – string: color of window
 - Return value:
 - GraphWin object: program window
-

createText(window, middleX, middleY, textContent, fontSize, style)

- Creates text.
 - Parameters:
 - window – GraphWin object: program window
 - middleX – int: middle point of text on x-axis
 - middleY – int: middle point of text on y-axis
 - textContent – string: the text
 - fontSize - int: size of font
 - style - string: style of font ('normal', 'bold', 'italic')
 - Return value:
 - none
-

createRectangle(window, lowerX, lowerY, upperX, upperY, fillColor, outline, outlineColor)

- Creates a rectangle.
- Parameters:
 - window – GraphWin object: program window
 - lowerX – int: x-axis bottom left corner of rectangle
 - lowerY – int: y-axis of bottom left corner of rectangle
 - upperX – int: x-axis of top right corner of rectangle
 - upperY – int: y-axis of top right corner of rectangle
 - fillColor – string: color of rectangle
 - outline – int: width of outline
 - outlineColor – string: color of outline
- Return value:
 - none

createCircle(window, middleX, middleY, radius, fillColor, outline, outlineColor)

- Creates a circle.
 - Parameters:
 - window – GraphWin object: program window
 - middleX – int: middle point of circle on x-axis
 - middleY – int: middle point of circle on y-axis
 - radius – int: radius of the circle
 - fillColor – string: color of circle
 - outline – int: width of outline
 - outlineColor – string: color of outline
 - Return value:
 - none
-

createInputBox(window, prompt, promptLocationY, boxColor, fontSize, style)

- Creates a prompt with an input box for the user to enter data.
- Parameters:
 - window – GraphWin object: program window
 - prompt – string: instructions for user
 - promptLocationY – int: location of prompt on the y-axis of the window
 - boxColor – string: color of the input box
 - fontSize – int: size of font
 - style – string: style of font ('normal', 'bold', 'italic')
- Return value:
 - string: user input

```
createTable(window,
            color,
            number_of_columns,
            top_left_corner_location,
            font_size,
            style,
            (data_in_column_1_separated_by_commas),
            (data_in_column_2_separated_by_commas),
            ...,
            (data_in_column_N_separated_by_commas))
```

- Creates a table with labeled columns that store data.
- Parameters:
 - window – GraphWin object: program window
 - color – string: color of table
 - number_of_columns – int: number of columns in table
 - top_left_corner_location – int: table location in window
 - font_size – int: size of the font
 - style – string: style of font ('normal', 'bold', 'italic')
 - data_in_column_1_separated_by_commas – tuple: data in column 1
 - data_in_column_2_separated_by_commas – tuple: data in column 2
 - ...
 - data_in_column_N_separated_by_commas – tuple: data in column N
- Return value:
 - none