IFB104 Command Glossary and References

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Glossary

Python (Tkinter)

Command	Description
grid_propagate	Determines if a frame using a grid layout should resize to its widgets or maintain fixed dimensions.
padx & pady	The gap between elements according to their x and y axes.
sticky	The corner (n, ne, e, es, s, sw, w, nw) which a widget resides in when using a grid layout.
bg and fg	The background and foreground colour (text colour) of a widget.
activebackground	The colour which a button changes to when it's pressed.
tristatevalue	Assign a selection group for each radio button, unique values will cause the buttons to be blank on start-up instead of resorting to a "half-state". Additionally, it allows all radio button to be deselected in the future.
highlightthickness	The size of a border around a widget.
cursor	Change the appearance of a cursor as it hovers over a widget.
wrap	Determines how text should be displayed if it exceeds the dimensions of a widget.
state	Determines if a widget can be updated by the console or a user.

- Note that the measurements of a label refer to the relative size of characters, not pixels.

HTML

Command	Description
<!-- ... -->	A comment.
<!doctype html>	Informs the web browser that the document uses a HTML format.
<html>	Informs the web browser that a section of code uses a HTML format.
<html lang="en">	Informs the web browser that a section of code is written in English.
<head>	Where the title and meta data of a webpage is stored.
<meta charset="UTF-8">	Encodes the file with an 8-bit Unicode character set.
<meta name="viewport">	Makes the web browser scale the webpage for different devices.
<meta name="author">	Inscribes the author's name to the file.
<title>	Establishes the title of the file, as displayed in the browser tab.
<style>	Where CSS styles are kept in HTML without using external CSS files.
<body>	Where all the contents of a webpage are stored.
<header><main><footer>	Generic inbuilt division tags used to quickly structure a document.
<div>	A custom division tag used to separate content.

CSS

Command	Description
/* ... */	A comment.
vh and vw	The relative height and width of the viewport as a percentage.
box-sizing	Determines if the padding and borders of an element should be included in the calculations of its measurements.
overflow	Removes the scrollbar for the x and or y axes. To specify a specific axis the commands overflow-x and overflow-y can be used.

position	How an element is situated.
float	The left and right location of an element, a simplified version of the position property.
top, right, bottom, left	An extension to an elements current position.
translate	Compensates the top, right, bottom, and left movement of an element. To specify a specific axis the commands, translate-X and translate-Y can be used.
display	How the box of an element is rendered.
clip-path	Masks an element using a shape, there must be at least three relative percentage points specified for It to work.
object-fit	How an image should resize within a div.

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