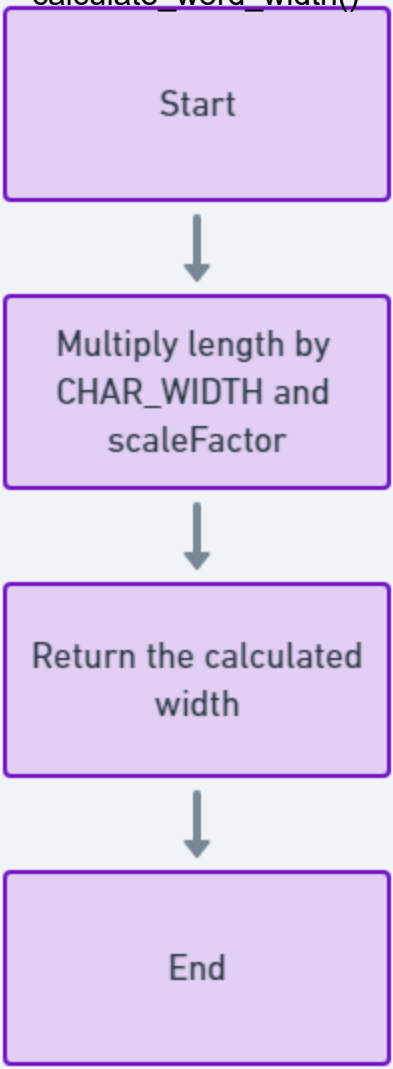
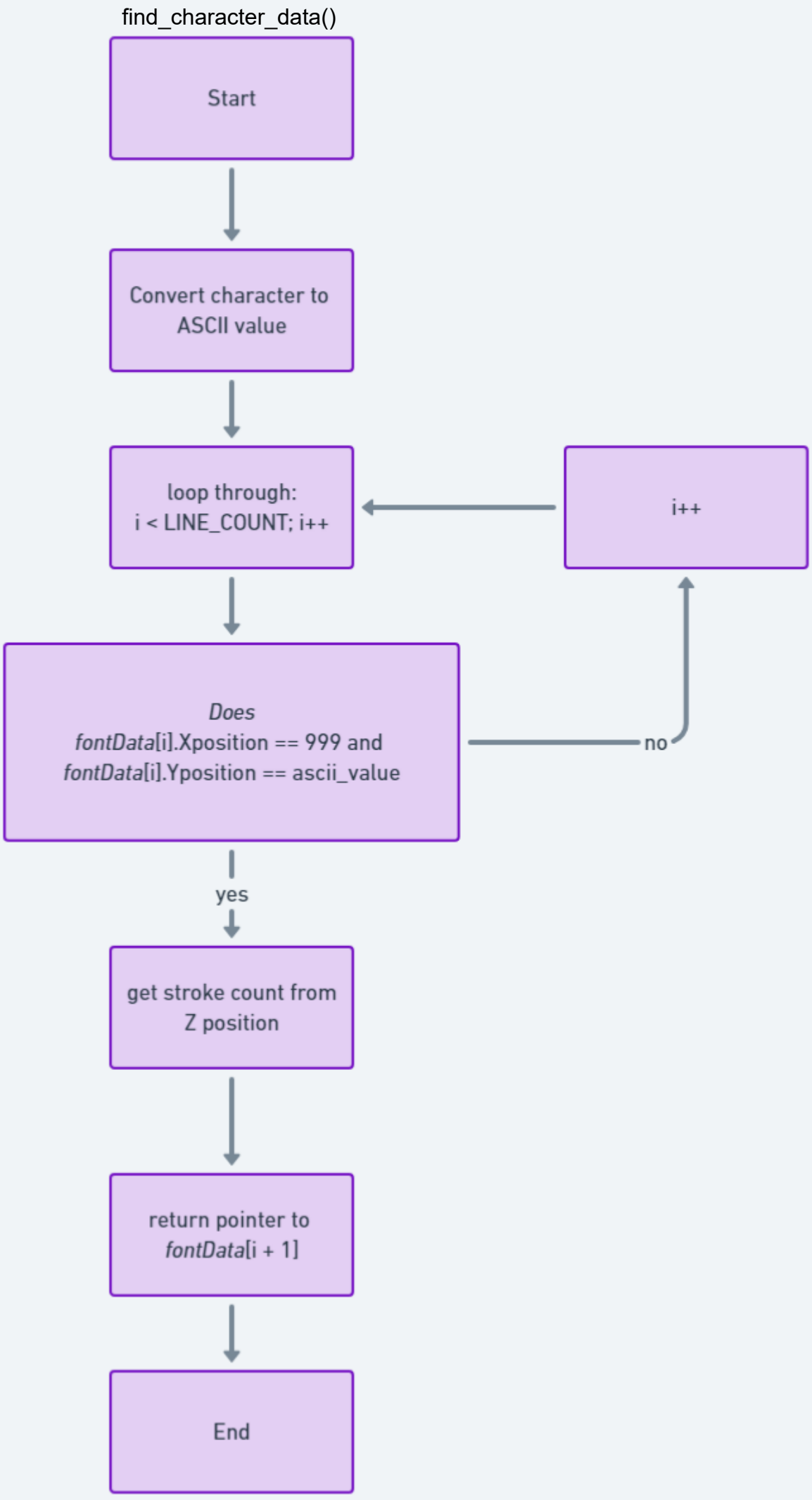
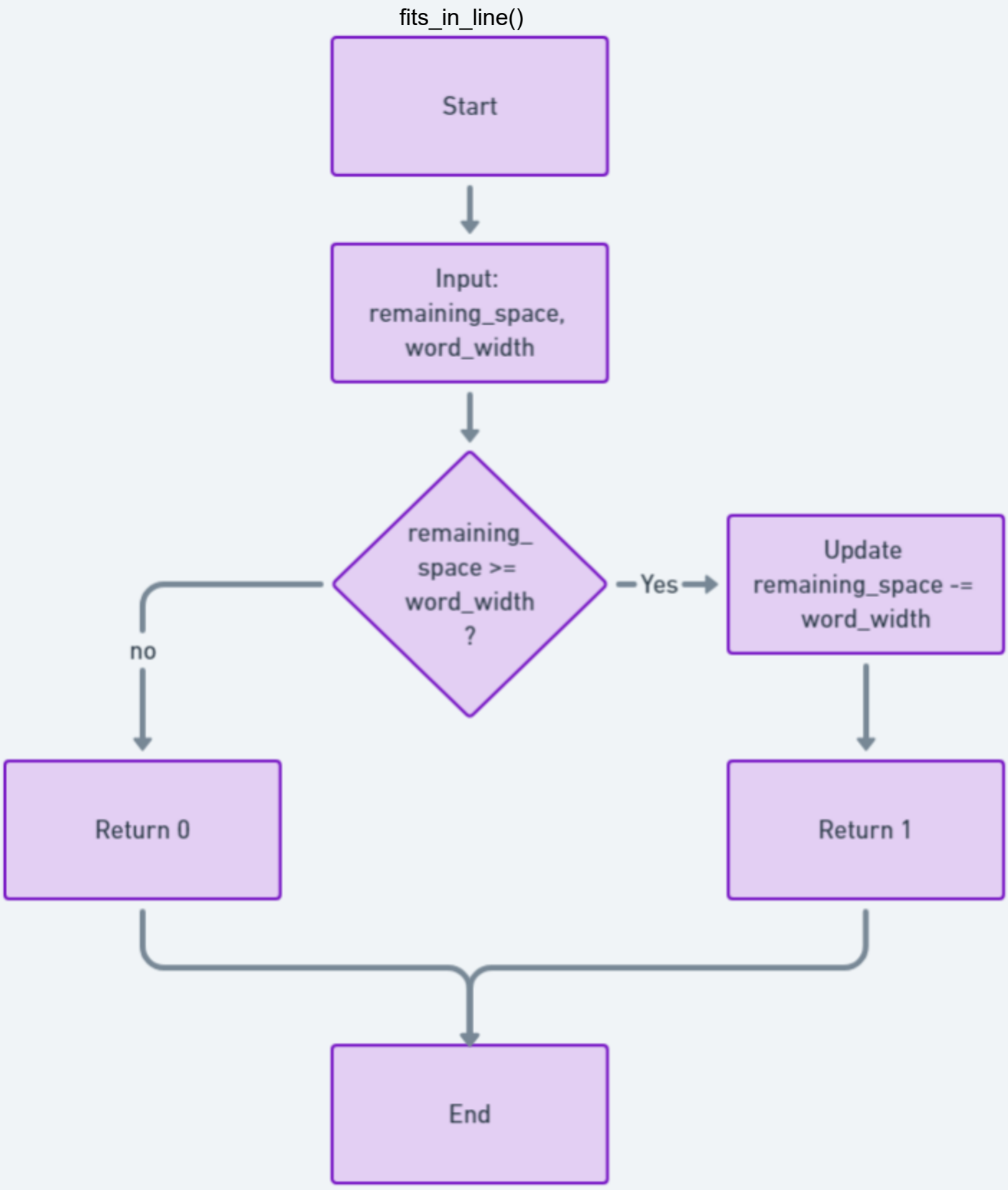
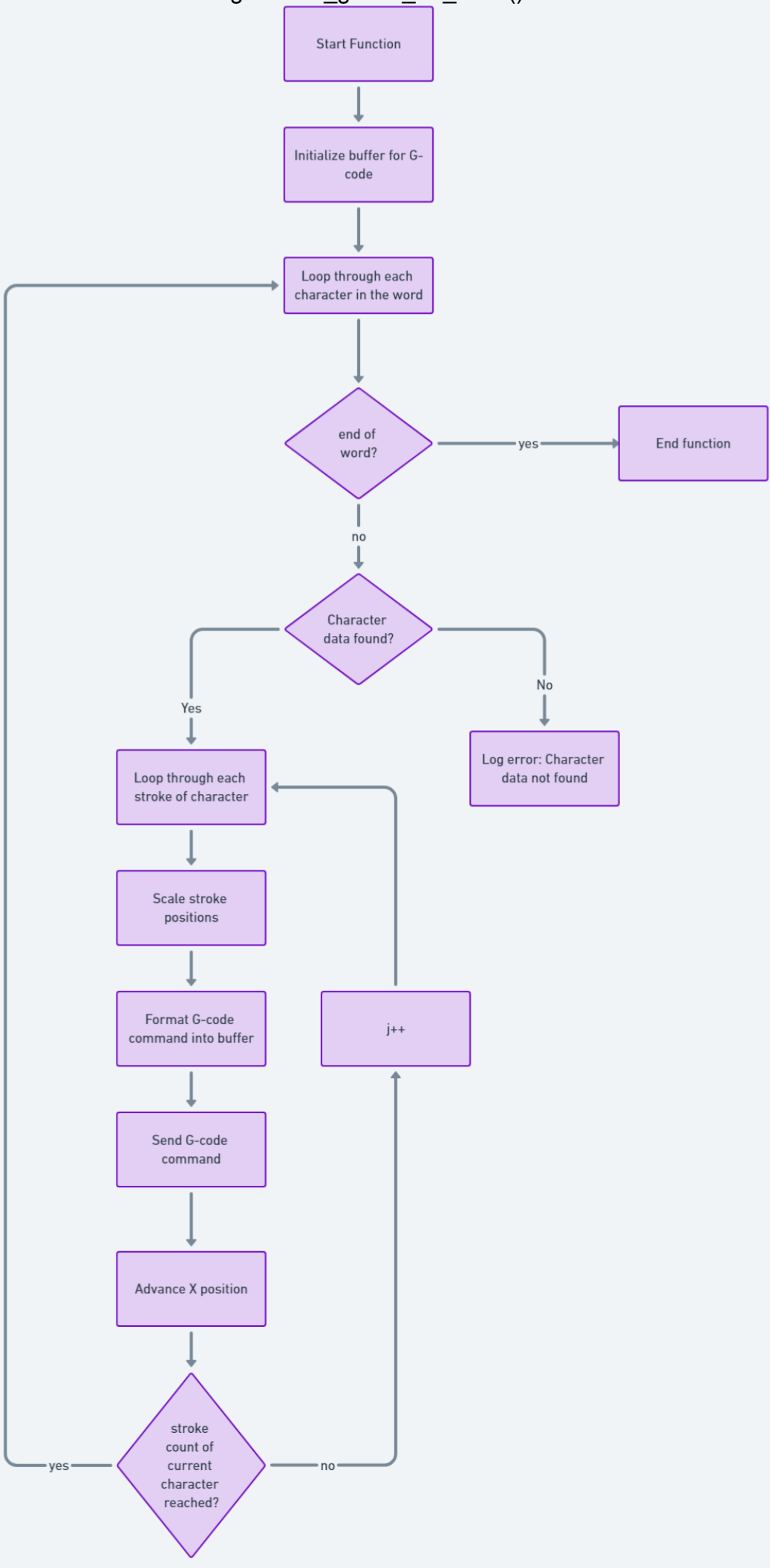
calculate_word_width()

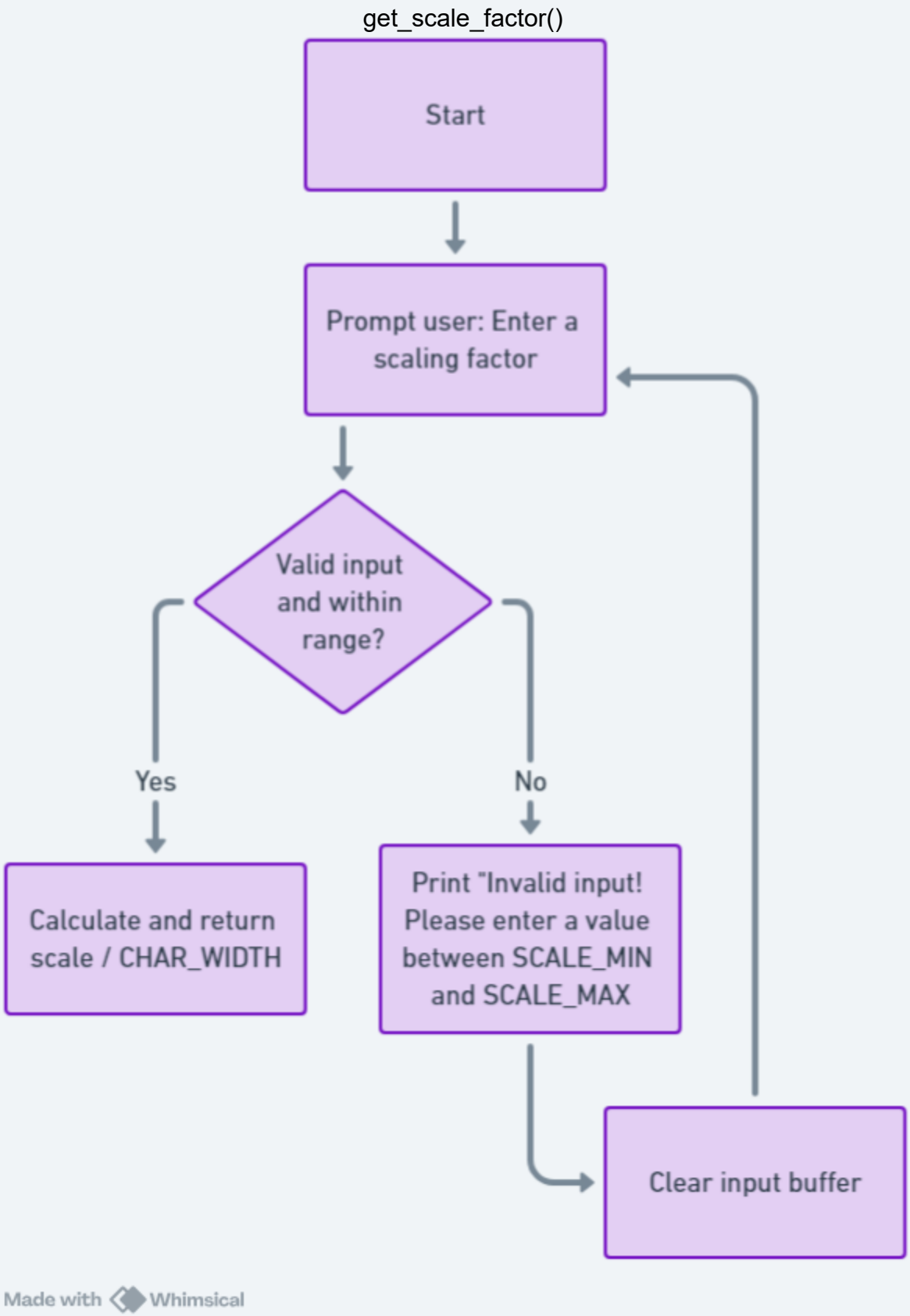


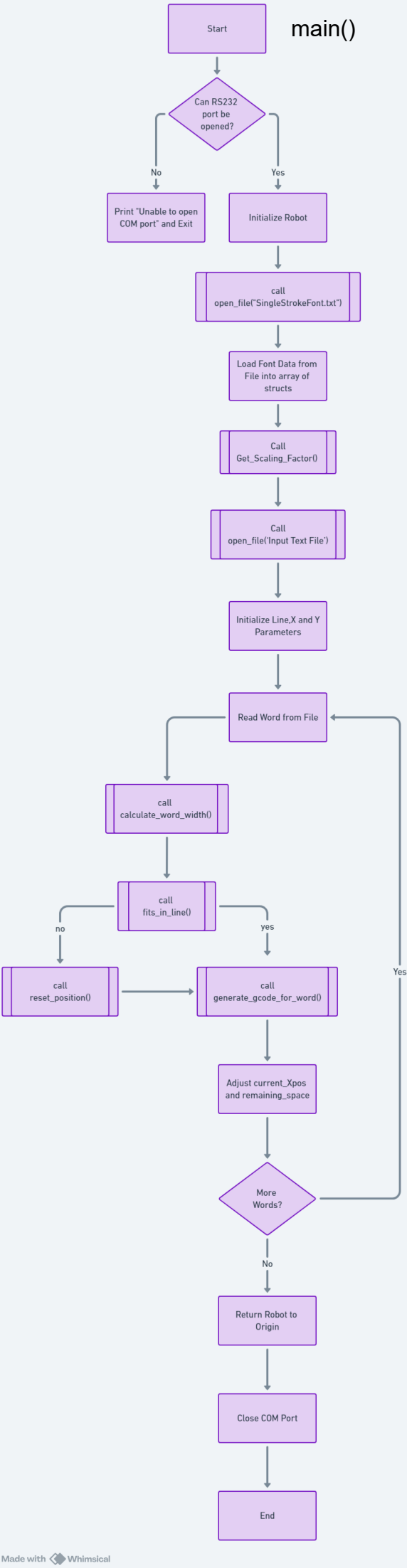


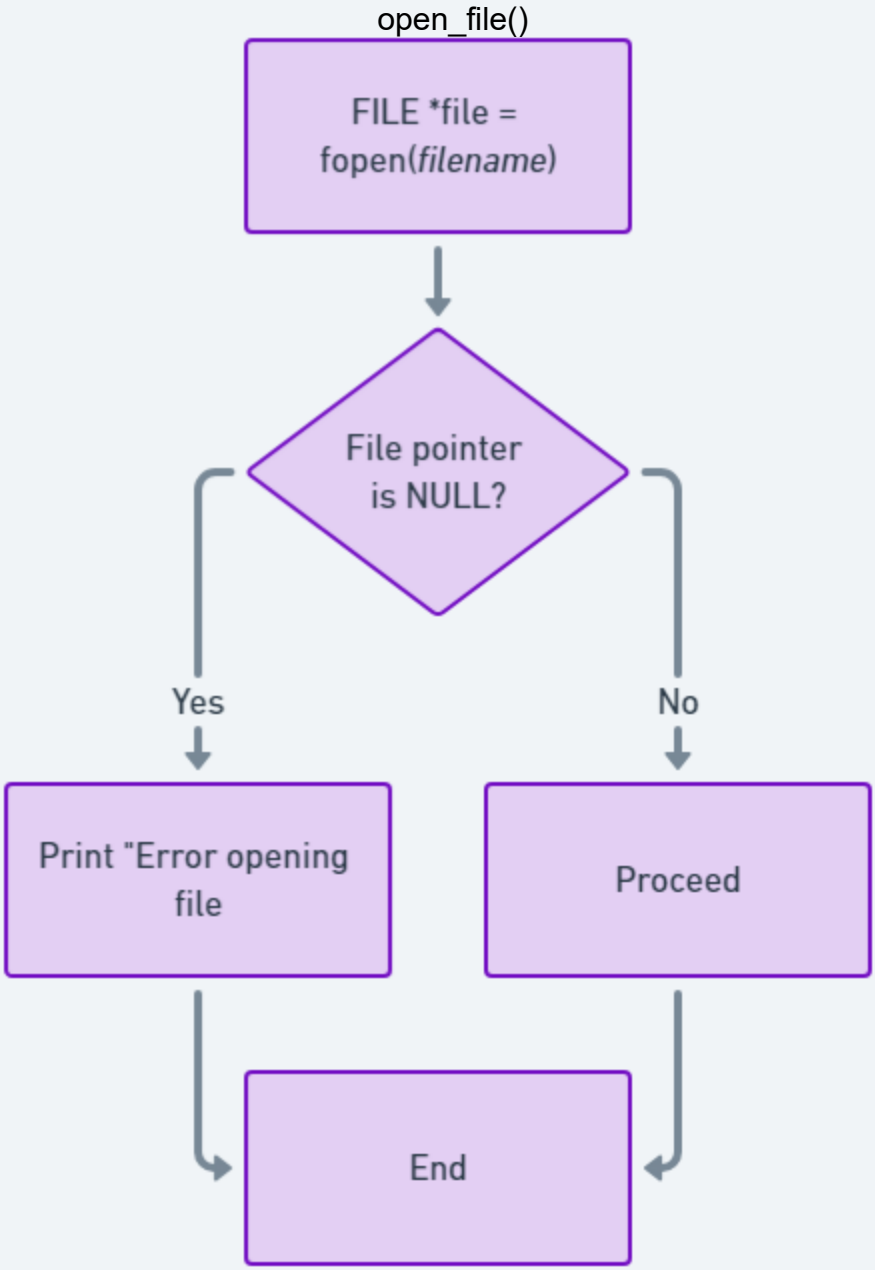

fits_in_line()
Start
Input:
remaining_space,
word_width
remaining_
space >=
word_width
?
Yes
no
Update
remaining_space -=
word_width
Return 0
Return 1
End
Made with Whimsical

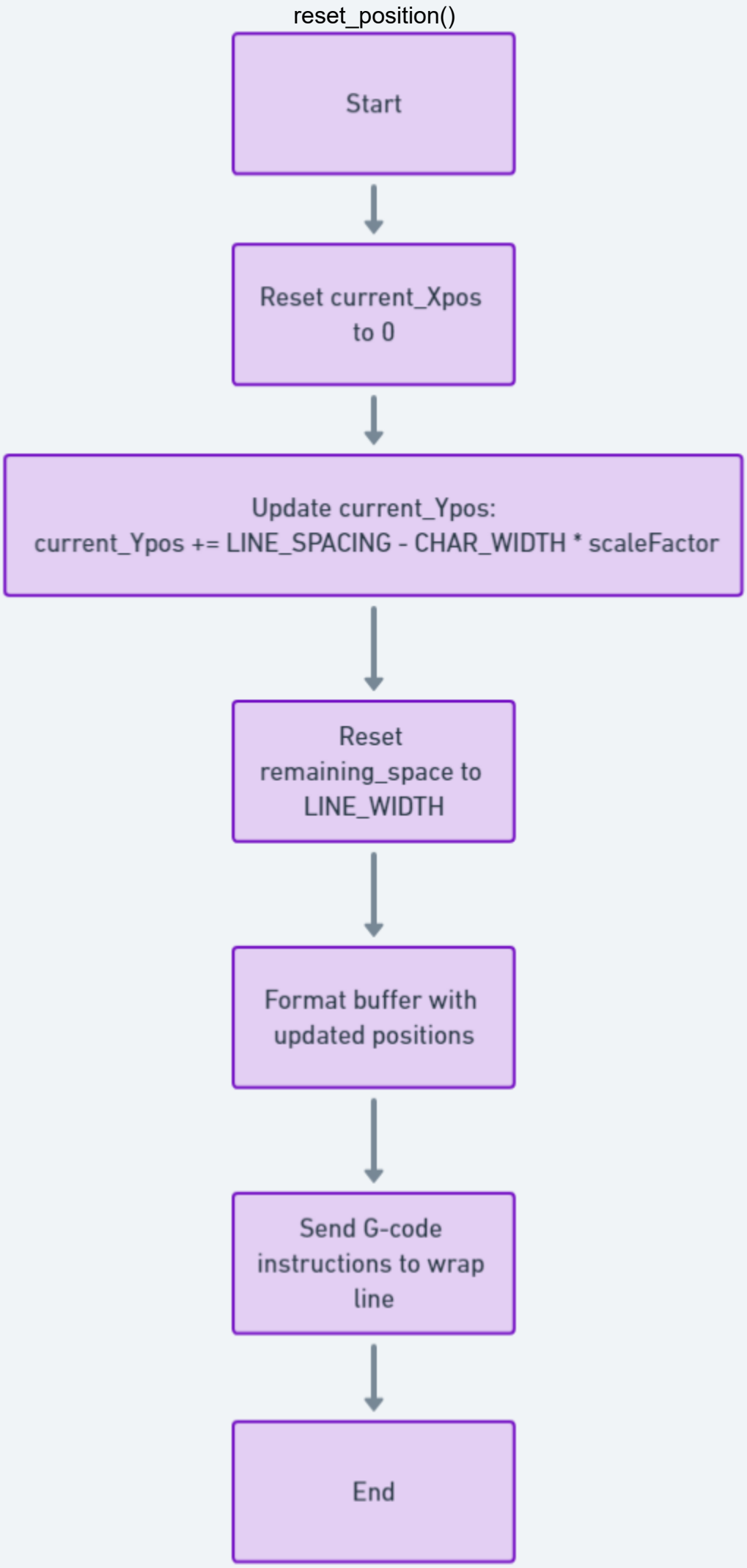
generate_gcode_for_word()




get_scale_factor()
Start
Prompt user: Enter a scaling factor
Valid input and within range?
Yes
No
Calculate and return scale / CHAR_WIDTH
Print "Invalid input! Please enter a value between SCALE_MIN and SCALE_MAX
Clear input buffer
Made with Whimsical




open_file()
FILE *file = fopen(filename)
File pointer is NULL?
Yes
No
Print "Error opening file
Proceed
End
Made with Whimsical


reset_position()
Start
Reset current_Xpos to 0
Update current_Ypos:
current_Ypos += LINE_SPACING - CHAR_WIDTH * scaleFactor
Reset remaining_space to LINE_WIDTH
Format buffer with updated positions
Send G-code instructions to wrap line
End
Made with Whimsical