

```

# # Here is a possible Python code that can calculate all the different flavor
combinations for your ice cream parlor, assuming you have a list of flavors and a number
of scoops:##
from tkinter import *
from tkinter import ttk
import tkinter as tk
from itertools import combinations

# Define the list of flavors
flavors = ["vanilla", "chocolate", "strawberry", "mint", "caramel"]

# Define the number of scoops
scoops = 3

# Define a function to generate all combinations of a given length from a list
def generate_combinations():
    result_text.delete(1.0, tk.END) # Clear previous results
    combo_count = 0
    for combo in combinations(flavors, scoops):
        result_text.insert(tk.END, ", ".join(combo) + "\n")
        combo_count += 1
    result_text.insert(tk.END, f"\nThere are {combo_count} different flavor combinations
for {scoops} scoops of ice cream.")

# Create a Tkinter window
window = tk.Tk()
window.title("Ice Cream Flavor Combinations")

# Create a frame to hold the widgets
frame = tk.Frame(window)
frame.pack(padx=10, pady=10)

# Create a button to generate flavor combinations
generate_button = tk.Button(frame, text="Generate Combinations",
command=generate_combinations)
generate_button.pack(pady=5)

# Create a text widget to display the results
result_text = tk.Text(frame, width=40, height=15)
result_text.pack(pady=5)

# Start the Tkinter event loop
window.mainloop()

```



Generate Combinations

```
vanilla, chocolate, strawberry  
vanilla, chocolate, mint  
vanilla, chocolate, caramel  
vanilla, strawberry, mint  
vanilla, strawberry, caramel  
vanilla, mint, caramel  
chocolate, strawberry, mint  
chocolate, strawberry, caramel  
chocolate, mint, caramel  
strawberry, mint, caramel
```

There are 10 different flavor combinations for 3 scoops of ice cream.