Pseudocode: DS Commons Robotic Chef Makes Chicken Broccoli Alfredo

- Step 1: Gather the ingredients
    - Chicken breasts
    - Broccoli
    - Fettuccine pasta
    - Olive oil
    - Heavy cream
    - Butter
    - Garlic
    - Parmesan cheese

- Step 2: Prep the ingredients
    - Cut chicken into small pieces
    - Cut broccoli into small pieces
    - Mince the garlic

- Step 3: Cook the pasta
    - Fill the pot with water
    - Boil the water
    - Add fettuccine pasta
    - Cook pasta for 10 minutes
    - Drain pasta and set it aside

- Step 4: Cook the chicken
    - Heat pan at medium heat
    - Add olive oil
    - Add chicken to the pan
    - Cook chicken until fully cooked (165 degrees f)
    - Remove chicken from pan and set to the side

- Step 5: Cook broccoli
    - In a pan add water
    - Add broccoli
    - Cover and let steam for 5 minutes
    - Set aside broccoli

- Step 6: Make alfredo sauce
    - In a pan add butter and minced garlic
    - Add heavy cream
    - Stir and simmer for 3 minutes
    - Add parmesan cheese
    - Stir until smooth

- Step 7: Combine
    - Add cooked chicken and broccoli to sauce
    - Add cooked pasta
    - Stir

Pseudocode: Cost of Carpet Calculator

- Step 1: Start the program
    - Display the message: “Welcome to my aunt’s flooring company!”

- Step 2: Get the users inputs
    - Ask user: “Enter the length of your room in meters”
    - Ask user: “Enter width of your room in meters”
    - Ask user: “Enter the unit cost of the carpet you want in dollars per square meter”

- Step 3: Calculate the area of the room
    - Area = length * width

- Step 4: Calculate the total cost
    - Total cost = area * unit cost

- Step 5: Display the result
    - Display the message: “The total cost to install the carpet is $” then follow that by the total cost

- Step 6: End the program
    - Display the message: “Thank you for choosing my aunt’s flooring company!”

Pseudocode: Calculating pi

- Step 1: Start the program
    - Display the message: “We’re going to calculate pi”

- Step 2: Prep to calculate
    - Start with pi equal to 0
    - Start with the first number in the series as 1
    - Start with adding the first number

- Step 3: Add number from the series
    - Repeat the following steps:
        - Add or subtract 4 divided by the current number to pi
        - Move to the next odd number
        - Switch from adding to subtracting or the other way around

- Step 4: Show the result
    - Show the message: “pi equals” followed by the value

- Step 5: End the program
    - Show the message: “Calculation done!”