🧠 Toddavery Lacrosse Shoe – Full Algorithm

🔁 Step 1: Greet the User

- Display a welcome message using `print()`

📥 Step 2: Get User's Name

- Ask: *"What's your name?"*
- Store the answer in a variable called `name`

🎨 Step 3: Let User Customize Their Shoe

3.1 `choose_color()`

- Ask user to pick from: Red, Blue, White, Black
- Store selection in `color`

3.2 `choose_size()`

- Ask user to enter their shoe size (e.g., 9.5)
- Use `try/except` to catch invalid numbers
- Store size in `size`

3.3 `choose_traction()`

- Ask for traction type (Turf, Grass, All-Terrain)

- Store selection in `traction`

3.4 `choose_support()`

- Ask for ankle support level (Low, Mid, High)
- Store selection in `support`

🧮 Step 4: Calculate Cost

4.1 `calculate_cost(support)`

- Start with a base price (e.g., $100)
- Add cost based on support:
    - Low = +$0
    - Mid = +$10
    - High = +$20
- Store result in `base_cost`

4.2 `calculate_discount()`

- Randomly pick a discount and reason from a list
- Store result in:
    - `discount_amt`
    - `discount_reason`

4.3 `calculate_final_price(base_cost, discount_amt)`

- Subtract discount from base cost

- Store in `final_price`

✨ Step 5 (Optional): Choose TA Initial Design

`choose_design()`

- Ask user to pick a design (e.g., "[T A]", "(T★A)", etc.)
- Store design as `design`

📋 Step 6: Show Summary

`show_summary(...)`

- Print a neat summary of:
    - Name
    - Color
    - Size
    - Traction
    - Support
    - TA Design (optional)
    - Original Cost
    - Discount & Reason
    - Final Price

💾 Step 7: Save Receipt to File (Optional)

`save_to_file(...)`

- Save all the summary data to a `.txt` file

🔁 Step 8: Ask to Restart or Quit

- Ask: *"Do you want to customize another shoe?"*
- If yes: repeat steps 3 to 7
- If no: say goodbye and end the program