**Python Capstone Project:**---------------  
Due :               **June 27, 2025**  
Presentation:  **June 28, 2025**  
---------------- 1. **Vending Machine Program**  
Build a program that:

* Displays a list of snacks and drinks with item numbers and prices.
* Asks the user to choose items by number in a loop.
* Keeps track of selected items and their prices.
* Ends when the user types “done”.
* Finally prints a receipt showing:
  + List of selected items with prices
  + Total cost

Keep asking until done

List ,Total cost ,grand total

**Skills practiced:** loops, input(), conditionals, lists/dictionaries, sum(), print formatting

2. **Simple Grocery Cart Checkout**  
Write a program that:

* Has a predefined dictionary of groceries with prices.
* Lets the user “add” items by typing their names.
* For each valid item, asks for the quantity.
* Keeps adding to the cart until the user types "checkout".
* Displays a final bill: each item, quantity, subtotal, and total.

**Skills practiced:** dictionaries, loops, input(), math operations, formatting, error handling

Increment ,add cart picture ,todo list creation for the user

Number completed task,

3. **To-Do List App (Text-Based)**  
Build a to-do list manager that:

* Allows users to add tasks with priorities (e.g., "Buy milk - high").
* Give tasks item list number
* Lets them view the current list, allow user to delete tasks by number, and mark completed tasks as complete.
* Keeps looping until the user types “exit”.
* Shows a summary at the end: with number of completed tasks list
* And number of pending tasks.

**Skills practiced:** lists, string parsing, loops, input, CRUD basics

4. **Movie Ticket Booking Simulation**  
Simulate a movie theater booking system that:

* Shows a list of available movie titles, showtimes, and seat prices.
* Asks the user to choose a movie and number of tickets.
* Confirms total price and asks if they want to book another movie.
* Ends when they say “no” and displays total bookings and cost.

**Skills practiced:** loops, input, conditionals, calculations, nested dictionaries

Length ,how many ticket user want

**5. Quiz Game**  
Create a basic quiz game that:

* Contains a list of 5–10 questions stored in a dictionary (or list of dicts).
* Asks the user each question and records their answers.
* At the end, displays:
  + The user’s score (e.g., 7/10)
  + Correct answers for any questions they got wrong

**Skills practiced:** loops, dictionaries, input, comparison, counters, print formatting