Problem 1:

Input:

- Quantity
- Price
- Discount rate

Processing:

- Write a function to compute the discount amount and discounted price.
    - Receive the quantity, price, and discount rate.
    - Compute the discount amount (quantity * price * discount rate).
    - Compute the discounted price (price - discount amount).
    - Return both the discount amount and discounted price.
- Display the quantity, price, discount amount, and discounted price.

Output:

- Display the quantity, price, discount amount, and discounted price.

Problem 2:

Input:

- Student's last name
- Three exam scores

Processing:

- Write a function to compute the average and total points.
    - Receive the student's last name and three exam scores.
    - Compute the total points (sum of exam scores).
    - Compute the average exam score (total points / number of exams).
    - Return both the total points and average exam score.
- Display the student's last name, total points, and average exam score.

Output:

- Display the student's last name, total points, and average exam score.

Problem 3:

Input:

- Salesperson's last name
- Sales

Processing:

- Write a function to compute commission and next year’s target.
    - Receive the salesperson's last name and sales.
    - Determine the commission (10% for sales over $100,000, 5% otherwise).
    - Compute next year’s target (5% of sales).
    - Return both the commission and next year’s target.
- Display the salesperson's name, commission, and next year’s target.

Output:

- Display the salesperson's name, commission, and next year’s target.

Problem 4:

Input:

- Bowler's last name
- Three game scores
- Handicap

Processing:

- Write a function to compute the average score and average score with handicap.
    - Receive the bowler's last name, three game scores, and handicap.
    - Compute the average score (sum of game scores / number of games).
    - Compute the average score with handicap (average score + handicap).
    - Return both the average score and average score with handicap.
- Display the bowler's last name, average score, and average score with handicap.

Output:

- Display the bowler's last name, average score, and average score with handicap.

Problem 5:

Input:

- Quantity of an item
- Unit price

Processing:

- Write a function to compute total and tax.
    - Receive the quantity and unit price.
    - Compute the total (quantity * unit price).
    - Compute the tax (7% of total).
    - Make total and tax global in scope.
- Display the total and tax.

Output:

- Display the total and tax.