Assignment

1. Input a list of numbers. Store even numbers in one list and odd numbers in another list. Print both lists.
2. Create a list of student names (some repeated). Convert it into a set. Remove duplicates and Print total unique students.
3. Create a dictionary with: employee_name → salary.
    a. Print employees earning more than ₹50,000
    b. Find highest salary
4. Input a list of numbers. Count how many times each number appears and store in dictionary. Example
   Input: [1, 2, 2 ,3, 1, 4]
   Output: {1:2, 2:2, 3:1, 4:1}
5. Create dictionary: roll_no → marks
    a. Print Pass/Fail for each student (pass ≥40)
    b. Count total passed students
6. From a list of numbers, create a dictionary with: number → square of number
7. Create a Menu Driven Program for lists with following options
    a. Add element
    b. Remove element
    c. Display list
    d. Exit
8. Write a program for Inventory Management System. Create a dictionary: item_name → quantity. Make menu driven program with following options:
    a. Add item
    b. Update quantity
    c. Delete item
    d. Display low stock items (quantity < 5)
    e. Exit
9. Input list of numbers. Store prime numbers in one list and non-prime in another list. Print both the lists.
10. Create matrix using nested lists. Find sum of all elements and find max element