Assignment: Dictionary Operations

Objective: Learn to use dictionaries for structured data.

Tasks: 1. Create a dictionary with keys: name, age, and city. 2. Add a new key 'GPA' and update an existing value. 3. Loop through and print all key-value pairs. 4. Write a program to store and retrieve phone numbers using names as keys.

Save as 'assignment8.py'. Comment on dictionary advantages over lists.