

(max Marks – 50)

Write a **Python script** that performs the following operations:

Create Account

- Implement a function called `create_account()` that:
 - Takes user details (user ID, name, email, phone number, password, and about/bio).
 - Stores this data **persistently** (e.g., in a dictionary or JSON file).
 - Ensures that each `user_id` is **unique** (no duplicates allowed).
 - After successful registration, displays a confirmation message.
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Login

- Implement a function called `login()` that:
 - Takes `user_id` and `password` as input.
 - Allows access only if the credentials match a registered account.
 - Displays a success message upon valid login, or an error message otherwise.
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Edit Profile

- Implement a function called `edit_profile()` that:
 - Allows a logged-in user to update **name**, **about**, **email**, **phone number**, and **password**.
 - For changing the **password**, the user must first confirm using a **One-Time Password (OTP)**.
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OTP Verification (for password updates)

- Generate a **6-digit random OTP** using Python's `random` module.
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- Display (or simulate sending) the OTP to the user.
- Ask the user to enter the OTP.
- If the OTP matches, allow the password to be updated; otherwise, deny access.

Additional Requirements

- Store all user data permanently in a `users.json` file (or similar persistent format).
- Structure your code using **functions**: