Instructions

1. Answer all questions.
2. Write clean, well-commented code.

Part A: Coding Questions

1. **Even or Odd**
   Write a Python program that asks the user for a number and prints whether it is even or odd.
2. **Grade Calculator**
   Ask the user for their marks (0–100).
   - If marks ≥ 70, print `"Grade: A"`
   - If marks ≥ 60, print `"Grade: B"`
   - If marks ≥ 50, print `"Grade: C"`
   - Else, print `"Fail"`.
3. **Largest of Three Numbers**
   Write a program that takes three numbers from the user and prints the largest.
4. **Leap Year Checker**
   Write a program that asks the user for a year and checks if it is a leap year.
   (Hint: A year is a leap year if it is divisible by 4, but not by 100, unless also divisible by 400.)
5. **Password Validation**
   Write a program that asks the user to enter a password.
   - If the password is `"python123"`, print `"Access Granted"`.
   - Otherwise, print `"Access Denied"`.
6. **ATM Simulator**
   Assume a balance of 10,000.
   - Ask the user to enter withdrawal amount.
   - If amount ≤ balance, print `"Transaction Successful. New Balance: ___"`.
   - Else, print `"Insufficient Funds"`.

Part B: Challenge Question

Write a Python program that asks for someone's age and determines:

- If age < 13 → `"Child"`
- If age between 13 and 19 → `"Teenager"`
- If age between 20 and 59 → `"Adult"`
- If age ≥ 60 → `"Senior Citizen"`