WEEK 7 - ASSIGNMENT 1
OOPS CONCEPTS

NOTE:

- **No need to submit anywhere, just keep track of all the PDF you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**
- **You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.**

Q1. Create a class called **Employee** with attributes such as name, age, gender, and phone number. Implement a constructor to initialize these attributes.

Include methods to calculate monthly and yearly salary based on hourly rate and hours worked. Ask hourly rate and hours worked inside the method (local variable).

Create 2 objects and check your code.

Q2. Design a class called **Product** with properties like name, price, category, and quantity. Implement a constructor to initialize these attributes.

Add methods to calculate the total price after applying a discount, ask discount percent within that method.

Q3. Employee Class with Performance Evaluation

Attributes:

name: Name of the employee.
age: Age of the employee.
gender: Gender of the employee.

phone: Phone number of the employee.
salary: Salary of that employee

Methods:

__init__(self, name, age, gender, phone,salary): Constructor method to initialize the employee object with name, age, gender, and phone number, salary attributes.

change_salary(self): Method that asks within the new salary and updates the salary of that employee

display_details(self): Method to display all details of the employee, including name, age, gender, phone number, salary.