**Assignment: Traffic Light Simulation in Python**

**Objective**

Create a Python program to simulate a traffic light system that controls the flow of different types of vehicles.

**Instructions**

1. **Traffic Light States:**
   * Implement a traffic light system with three states: Red, Green, and Yellow.
   * The lights should follow the sequence: Red -> Green -> Yellow -> Red continuously.
2. **Timing:**
   * Each light should be on for a specific duration:
     + Red light: 5 seconds
     + Green light: 5 seconds
     + Yellow light: 2 seconds
3. **Vehicles:**
   * When the light is Green, simulate different types of vehicles passing through the intersection.
   * The types of vehicles that can pass are Car, Bike, Bus, Truck, and Motorcycle.
   * Randomly select a vehicle type to pass every second during the Green light.
4. **Implementation:**
   * Use the time module to handle the timing of the lights and the passage of vehicles.
   * Use the random module to randomly select a vehicle type.
5. **Output:**
   * Print the current state of the traffic light.
   * When the light is Green, print the type of vehicle that is passing every second.

**Example Output**

csharp

Copy code

Traffic light is now Red

Traffic light is now Green

Car is passing...

Bike is passing...

Bus is passing...

Truck is passing...

Motorcycle is passing...

Traffic light is now Yellow

Traffic light is now Red

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