**PHASE IV PROJECT**

**PROJECT TITLE : ENVIRONMENTAL MONITORING**

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**TEAM NAME : PROJ\_201034\_TEAM\_1**

***CODE FOR AIR POLLUTION MONITORING***

**import random**

**class AirPollutionSensor:**

**def \_init\_(self, location):**

**self.location = location**

**def measure\_pollution(self):**

**# Simulate measuring pollution with a random value for demonstration purposes.**

**pollution\_level = random.uniform(0, 100)**

**return pollution\_level**

**# Create an air pollution sensor instance at a specific location.**

**sensor = AirPollutionSensor("City Center")**

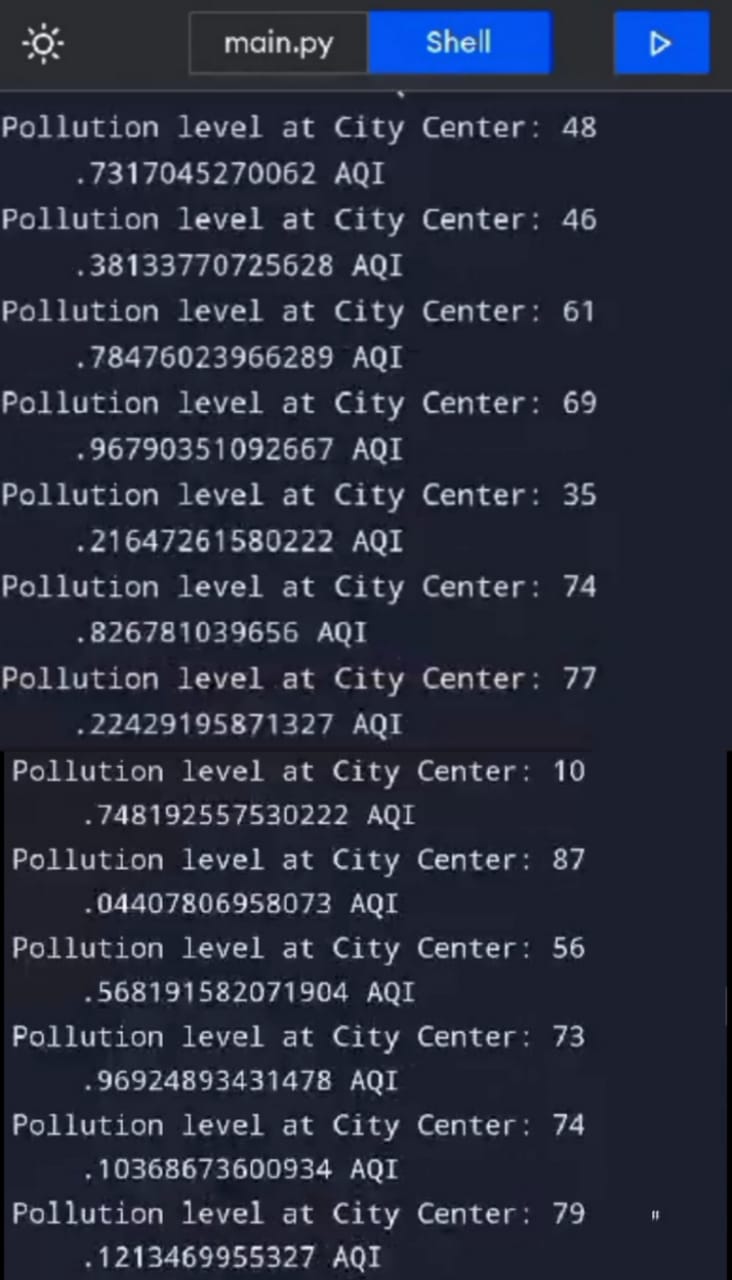
**# Continuously monitor and print pollution levels.**

**while True:**

**pollution\_level = sensor.measure\_pollution()**

**print(f"Pollution level at {sensor.location}: {pollution\_level} AQI")**

***OUTPUT***

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