

## EJECUTABLE RETO 2 SESION 8

The screenshot displays an IDE with the following components:

- EXPLORER:** Shows the project structure for "SESSION 8", including "RETO 1 S8" and "RETO 2 S8". Under "RETO 2 S8", the files "ConsumoCriticoException.class", "ConsumoCriticoException.java", "MonitorCPU.class", and "MonitorCPU.java" are listed. "MonitorCPU.java" is selected and has a count of 2.
- Code Editor:** Displays the code for "MonitorCPU.java". The code defines a "MonitorCPU" class with a "main" method that processes consumption values. It includes logic for registering consumption, checking for duplicates, and validating the range (0-100). It also throws a "ConsumoCriticoException" if the consumption exceeds 95%.
- TERMINAL:** Shows the output of the program execution. The output consists of several lines of text, including "Registrando consumo: 45%", "Consumo registrado correctamente.", "Ciclo de validación completado.", "Registrando consumo: 88%", "Consumo registrado correctamente.", "Ciclo de validación completado.", "Registrando consumo: 95%", "Consumo registrado correctamente.", "Ciclo de validación completado.", "Registrando consumo: 97%", "ALERTA: Consumo crítico detectado: 97%", "Ciclo de validación completado.", "Registrando consumo: 88%", "Advertencia: consumo duplicado (88%), no se registra.", "Ciclo de validación completado.", "Registrando consumo: -5%", "Error: valor fuera de rango permitido (0-100).", "Ciclo de validación completado.", "Registrando consumo: 102%", "Error: valor fuera de rango permitido (0-100).", "Ciclo de validación completado.", "Registrando consumo: 102%", "Error: valor fuera de rango permitido (0-100).", "Ciclo de validación completado."