

EJECUTABLE RETO 2 SESION 5

The screenshot displays an IDE interface with the following components:

- EXPLORER:** A sidebar on the left showing a project structure for "SESION 5". It includes folders for "RETO 1 S5" and "RETO 2 S5". Under "RETO 2 S5", several Java files are listed: Autenticable.class, Autenticable.java, CajaRegistradora.class, CajaRegistradora.java, MetodoPago.class, MetodoPago.java, PagoEfectivo.class, PagoEfectivo.java, PagoTarjeta.class, PagoTarjeta.java, PagoTransferencia.class, and PagoTransferencia.java. The file "PagoTransferencia.java" is currently selected.
- Editor:** The main workspace shows the code for "PagoTransferencia.java". The code defines a class that extends "MetodoPago" and implements the "Autenticable" interface. It includes a constructor, an "autenticar()" method that returns a random boolean, and a "procesarPago()" method that checks the authentication result and prints messages accordingly.
- Terminal:** At the bottom, the terminal window shows the output of running the program. It displays the results of three payment transactions: one successful cash payment, one successful card payment, and one failed bank transfer payment.

```
1 public class PagoTransferencia extends MetodoPago implements Autenticable {
2
3     public PagoTransferencia(double monto) {
4         super(monto);
5     }
6
7     @Override
8     public boolean autenticar() {
9
10        return Math.random() > 0.5;
11    }
12
13    @Override
14    public void procesarPago() {
15        if (autenticar()) {
16            System.out.println(x:"Pago por transferencia procesado.");
17        } else {
18            System.out.println(x:"Validación bancaria fallida.");
19        }
20    }
21 }
22
```

PROBLEMS 80 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
>> java CajaRegistradora
Pago en efectivo procesado.
Tipo de pago: PagoEfectivo
Monto: 100.0
Pago con tarjeta procesado.
Tipo de pago: PagoTarjeta
Monto: 50.0
Validación bancaria fallida.
Tipo de pago: PagoTransferencia
Monto: 300.0
PS C:\Users\diana\Desktop\SESION 5\RETO 2 S5>
```