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SCALA PROGRAMMING

Q. Write a Scala program that creates a class BankAccount with properties accountNumber and balance. Implement methods to deposit and withdraw money from the account.



The screenshot shows a Scala IDE with a file named 'HelloWorld.scala'. The code defines a 'BankAccount' class with 'accountNumber' (String) and 'balance' (Double) properties. It includes 'deposit' and 'withdraw' methods. A 'BankAccountApp' object contains a 'main' method that creates an account, prints its details, and performs deposit and withdrawal operations. The IDE interface includes a 'NEW' button, a 'SCALA' dropdown, a 'RUN' button, and a 'STDIN' input field. The output pane shows the execution results.

```
1 class BankAccount(val accountNumber: String, var balance: Double) {
2   def deposit(amount: Double): Unit = {
3     balance += amount
4     println(s"Deposited $amount. New balance: $balance")
5   }
6   def withdraw(amount: Double): Unit = {
7     if (amount <= balance) {
8       balance -= amount
9       println(s"Withdrew $amount. New balance: $balance")
10    }
11    else
12    {
13      println(s"Want to withdraw $amount? Insufficient balance!")
14    }
15  }
16 }
17 object BankAccountApp {
18   def main(args: Array[String]): Unit = {
19     val account = new BankAccount("SB-1234", 1000.0)
20     println(s"Account Number: ${account.accountNumber}")
21     println(s"Initial Balance: ${account.balance}")
22     account.deposit(500.0)
23     account.withdraw(200.0)
24     account.withdraw(2000.0)
25   }
26 }
```

Output:

```
Account Number: SB-1234
Initial Balance: 1000.0
Deposited 500.0. New balance: 1500.0
Withdrew 200.0. New balance: 1300.0
Want to withdraw 2000.0? Insufficient balance!
```