

SCALA PROGRAMMING

Lab Work

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

Code

```
class BankAccount(val accountNumber: String, var balance: Double) {
  def deposit(amount: Double): Unit = {
    balance += amount
    println(s"Deposited $amount. New balance: $balance")
  }
  def withdraw(amount: Double): Unit = {
    if (amount <= balance) {
      balance -= amount
      println(s"Withdrew $amount. New balance: $balance")
    }
    else {
      println(s"Want to withdraw $amount? Insufficient balance!")
    }
  }
}

object BankAccountApp {
  def main(args: Array[String]): Unit = {
    val account = new BankAccount("SB-1234", 1000.0)
    println(s"Account Number: ${account.accountNumber}")
    println(s"Initial Balance: ${account.balance}")
    account.deposit(500.0)
    account.withdraw(200.0)
    account.withdraw(2000.0)
  }
}
```

Output

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!
```

GitHub Link: <https://github.com/arj1-1n/Scala>