SCALA PROGRAMMING

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```scala
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   def interest(principal: Double, rate: Double, time: Double): Unit = {
17      principal*rate*time
18   }
19   }
20 object BankAccountApp {
21   def main(args: Array[String]): Unit = {
22   val account = new BankAccount("SB-1234", 1000.0)
23   val principal= account.balance
24   val rate= 0.05
25   val time= 6
26   val interest= principal*rate*time
27   println(s"Account Number: ${account.accountNumber}")
28   println(s"Initial Balance: ${account.balance}")
29   println(s"Interest is: ${interest}")
30   account.deposit(500.0)
31   account.withdraw(200.0)
32   account.withdraw(2000.0)
33   }
34 }
```

STDIN

Input for the program (Optional)

Output:

```
Account Number: SB-1234
Initial Balance: 1000.0
Interest is: 300.0
Deposited 500.0. New balance: 1500.0
Withdrew 200.0. New balance: 1300.0
Want to withdraw 2000.0? Insufficient balance!
```