SCALA PROGRAMMING

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!")
 }
 }
 def simple_interest(time: Float, rate: Float): Unit={
   balance+= (balance*time*rate)/100
   println(s"simple_interest rate for $time year is $rate, New balance: $balance")
 }
}
object BankAccountApp {
 def main(args: Array[String]): Unit = {
 val account = new BankAccount("SB-1234", 1000.0)
 println(s"Account Number: ${account.accountNumber}")
```

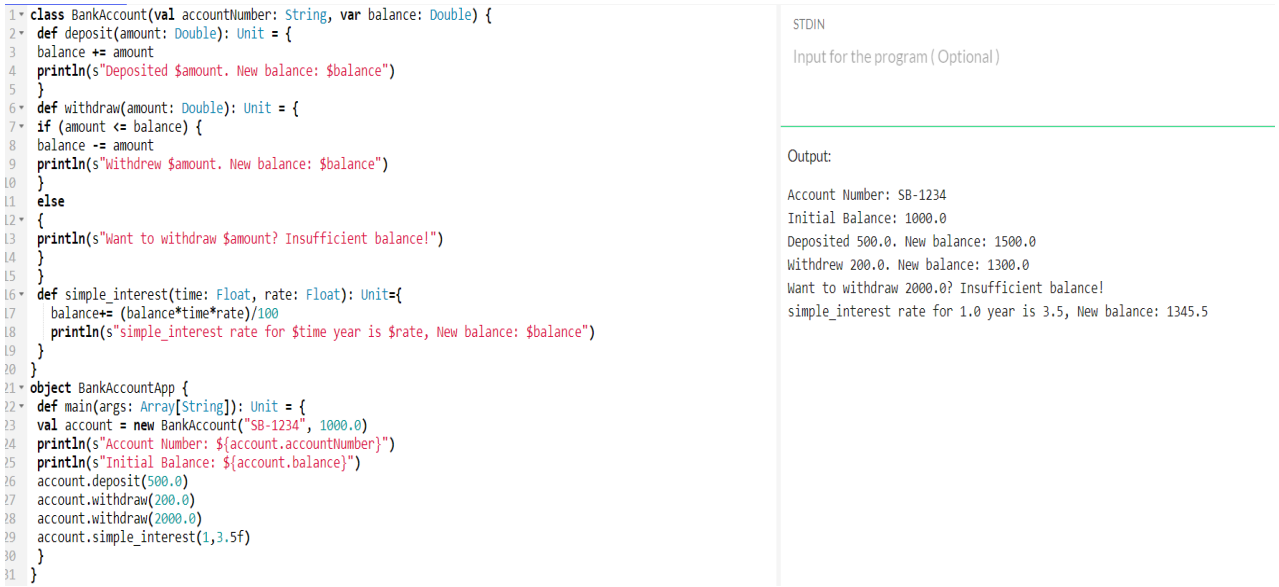
```
println(s"Initial Balance: ${account.balance}")
account.deposit(500.0)
account.withdraw(200.0)
account.withdraw(2000.0)
account.simple_interest(1,3.5f)
}
}
```

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!
simple_interest rate for 1.0 year is 3.5, New balance: 1345.5
```

Screenshot:



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 def main(args: Array[String]): Unit = {
 val account = new BankAccount("SB-1234", 1000.0)
 println(s"Account Number: ${account.accountNumber}")
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STDIN

Input for the program (Optional)

Output:

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simple_interest rate for 1.0 year is 3.5, New balance: 1345.5
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