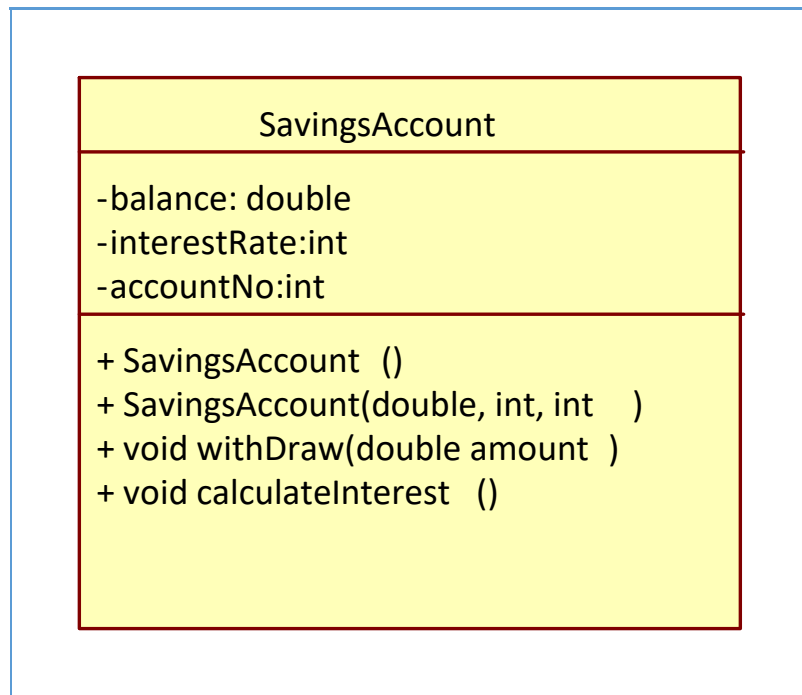Implement below given class diagram. Invoke constructor and methods of this class by creating appropriate object in main method.

```
┌─────────────────────────────────────────┐
│  ┌───────────────────────────────────┐  │
│  │           SavingsAccount          │  │
│  ├───────────────────────────────────┤  │
│  │  -balance: double                 │  │
│  │  -interestRate:int                │  │
│  │  -accountNo:int                   │  │
│  ├───────────────────────────────────┤  │
│  │  + SavingsAccount   ()            │  │
│  │  + SavingsAccount(double, int, int   )  │
│  │  + void withDraw(double amount  ) │  │
│  │  + void calculateInterest   ()    │  │
│  │                                   │  │
│  │                                   │  │
│  └───────────────────────────────────┘  │
│                                          │
└─────────────────────────────────────────┘
```

Implement the with Draw(double amount) method: If amount is greater than balance then display error message; otherwise debit amount from balance and display the message "successfully withdrawn" + amount

Implement the calculate Interest() method: calculation of simple interest for the balance maintained in the saving account.

Program:

Output:

```java
package oops;

public class SavingsAccount {
        double balance;
        int interestRate;
        int accountNo;

        SavingsAccount(){}

        SavingsAccount(double balance, int interestRate, int accountNo){
                this.balance = balance;
                this.interestRate = interestRate;
                this.accountNo = accountNo;
        }

        void withDraw(double amount) {
                if(amount > this.balance) {
                        System.out.println("Error");
                }
                else {
                        this.balance -= amount;
                        System.out.println("Successfully withdrawn " + amount);
                }
        }

        void calculateInterest() {
                System.out.println((this.balance * this.interestRate * 1)/100);
        }


        public static void main(String[] args) {
                SavingsAccount s1 = new SavingsAccount();
                s1.balance = 30.0;
                s1.interestRate = 18;
                s1.accountNo = 1;

                s1.withDraw(50);
                s1.withDraw(20);
                s1.calculateInterest();

                SavingsAccount s2 = new SavingsAccount(50.0, 7, 1);
                s2.withDraw(50);
                s2.withDraw(20);
                s2.calculateInterest();

        }
}
```

Output:


```
Error
Successfully withdrawn 20.0
1.8
Successfully withdrawn 50.0
Error
0.0
```