

Aula 7 SOLID - CES28 COMP 19

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Talíze Facó

2. a) O SRP está relacionado com os princípios Expert e Low Coupling do Grasp.

b) O código original não segue o SRP de acordo com a ideia apresentada em aula (Diferença entre Saving Account e Checking Account).

c)

ANTES: arquivo BankAccount.java

```
public abstract class BankAccount {
    // Class Description: Checking and Savings Account
    public double Balance() {return _balance;};
    public void Deposit(double amount) {};
    public void Withdraw(double amount) {};
    public void AddInterest(double amount) {};
    public void Transfer(double amount, BankAccount toAccount) {};
    //...
    private double _balance;
}
```

DEPOIS: 3 arquivos, BankAccount.java, CheckingAccount.java e SavingAccount.java

```
package solid_aula7_depois;
public abstract class BankAccount {
    // Class Description: Checking and Savings Account
    public double Balance() {return _balance;};
    public void Deposit(double amount) {};
    public void Withdraw(double amount) {};
    //...
    private double _balance;
}
```

```
package solid_aula7_depois;
public class SavingAccount extends BankAccount {
    // Class Description: Savings Account
    public void AddInterest(double amount) {};
    //...
}
```

```
package solid_aula7_depois;
public class CheckingAccount extends BankAccount {
    // Class Description: Checking Account
    public void Transfer(double amount, BankAccount toAccount) {};
    //...
}
```