

Generics

to save the day

```
val account = SavingsAccount("GB00...", 10_000.toBigDecimal(), "0.024".toBigDecimal())  
println(account.interest)
```

```
val (updatedAccount, _) = account.withdraw(10.toBigDecimal())  
println(updatedAccount.interest)
```

```
val account = SavingsAccount  
    account.interest
```

```
val    updatedAccount    = account.withdraw  
    updatedAccount.interest
```





















































































































































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`fun<T:Account>T.withdraw(amount:BigDecimal):Pair<T,BigDecimal>`



```
fun <T : Account> T.withdraw(amount: BigDecimal): Pair<T, BigDecimal> = run {  
    val account = this as Account  
    when (account) {  
        is CurrentAccount -> account.copy(balance = balance - amount) as T to amount  
        is SavingsAccount -> account.copy(balance = balance - amount) as T to amount  
        /* ommited */  
    }  
}
```

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fun <T : Account> T.withdraw(amount: BigDecimal): Pair<T, BigDecimal> = run {  
    val account = this as Account  
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val (updatedAccount, _) = account.withdraw(10.toBigDecimal())  
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type erasure