

AccountStatistics Job (1)

StrategyHistory

AccountNumber	StratName	StratStartDate
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```
map (IntWritable line, Text input)
```



StrategyHistoryMapOutput

AccountNumber	StrategyHistory(StartDate, Name)
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```
reduce (Text accountNumber, Iterator<AccountEvent> events)
```



AccountEventReduceOutput

AccountNumber	AccountStatistics(goodCharges, badCharges, goodAdjustments, BadAdjustments, goodPayments, badPayments)
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Transaction

AccountNumber	TranDate	TranAmount	TranType
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```
map (IntWritable line, Text input)
```



TransactionMapOutput

AccountNumber	Transaction(Date, Type, Amount)
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RESULT: Account statistics per Account

AccountsJob (2)

Account

AccountNumber	OpenDate	Customer Number
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```
map (IntWritable line, Text input)
```



AccountMapOutput

AccountNumber	Account(CustNumber, OpenDate, null, null)
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```
reduce (Text accountNumber, Iterator<Account> accounts)
```



AccountsPerCustomerOutput

CustomerNumber	Account (accountNumber, OpenDate, null, statistics)
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AccountEventReduceOutput

AccountNumber	AccountStatistics(goodCharges, badCharges, goodAdjustments, BadAdjustments, goodPayments, badPayments)
---------------	---



```
map (Text accountNumber, AccountStatistics statistics)
```



AccountEventToAccountMapOutput

AccountNumber	Account (null, null, null, statistics)
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RESULT: Accounts per Customer

CustomersJob (3)

Customer

CustomerNumber	FirstName	LastName	Ssn	ZipCode3
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```
map (IntWritable line, Text input)
```



CustomerMapOutput

CustomerNumber	Customer(ssn ZipCode3,null)
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```
reduce (Text customerNumber, Iterator<Customer> customers)
```



AccountToCustomerMapOutput

Ssn	Customer(customerNumber, zipCode3, account)
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AccountsPerCustomerOutput

CustomerNumber	Account (accountNumber, OpenDate, null, statistics)
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```
map (Text customerNumber, Account account)
```



AccountToCustomerMapOutput

CustomerNumber	Customer(null, null, account)
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RESULT: Customers per SSN