

CustomerID	CustomerName	OrderID	Segment	ShippingAddr	Region	Salesperson	ProductID	Category	Sub-Category	ProductName	Quantity	UnitPrice
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 93727	West	Anna Andreadi	OFF-PA-10000740	Office Supplies	Paper	Xerox 1982	2	23
							OFF-PA-10001144	Office Supplies	Paper	Xerox 1913	2	55
							OFF-PA-10000859	Office Supplies	Paper	Unpadded Memo Slips	3	4
BE-11410	Bobby Elias	US-2016-161662	Consumer	Lancaster, Ohio, 43130	East	Chuck Magee	OFF-PA-10003395	Office Supplies	Paper	Xerox 1912	2	15
							OFF-PA-10003975	Office Supplies	Paper	Xerox 1941	3	84
							FUR-FU-10003975	Furniture	Furnishings	Eldon Advantage Chair Mats	2	43
EL-13735	Ed Ludwig	US-2017-150707	Home Office	Columbia, Maryland, 21044	East	Chuck Magee	OFF-BI-10001078	Office Supplies	Binders	Acco PRESSTEX Data Binder with Storage Hooks	7	5
							OFF-FA-10000624	Office Supplies	Fasteners	Oic Binder Clips	6	4
							OFF-PA-10000624	Office Supplies	Paper	Xerox 1913	2	55
LB-16735	Larry Blacks	US-2016-111115	Consumer	Los Angeles, California, 90032	West	Anna Andreadi	OFF-PA-10000859	Office Supplies	Paper	Unpadded Memo Slips	3	4
							OFF-PA-10003651	Office Supplies	Paper	Xerox 1912	2	15
							FUR-FU-100000576	Furniture	Furnishings	DAX Value U-Channel Document Frames Easel Back	1	2
SS-20515	Shirley Schmidt	US-2014-124464	Home Office	Newark, Delaware, 19711	East	Chuck Magee	OFF-AP-10000576	Office Supplies	Appliances	Belkin 7 Outlet SurgeMaster II	1	39
							FUR-FU-10001487	Furniture	Furnishings	Eldon Expressions Wood and Plastic Desk Accessories	3	7
							TEC-AC-10000289	Technology	Accessories	Anker Ultra-Slim Mini Bluetooth 3.0 Wireless Keyboard	14	20

US-2016-163538 Home Office Franklin, Wisconsin, 53132 Central Kelly Williams TEC-AC-10002006 Technology Accessories Memorex Micro Travel Drive 16 GB 3 16												
First Normal Form												
CustomerID	CustomerName	OrderID	Segment	ShippingAddr	Region	Salesperson	ProductID	Category	Sub-Category	ProductName	Quantity	UnitPrice
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 93727	West	Anna Andreadi	OFF-PA-10000740	Office Supplies	Paper	Xerox 1982	2	23
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 93727	West	Anna Andreadi	OFF-PA-10001144	Office Supplies	Paper	Xerox 1913	2	55
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 93727	West	Anna Andreadi	OFF-PA-10000859	Office Supplies	Paper	Unpadded Memo Slips	3	4
BE-11410	Bobby Elias	US-2016-161662	Consumer	Lancaster, Ohio, 43130	East	Chuck Magee	OFF-PA-10003395	Office Supplies	Paper	Xerox 1912	2	15
BE-11410	Bobby Elias	US-2017-121314	Consumer	Miami, Florida, 33178	South	Cassandra Brandon	OFF-PA-10003975	Office Supplies	Paper	Xerox 1941	3	84
EL-13735	Ed Ludwig	US-2016-113061	Home Office	Jefferson City, Missouri, 65109	Central	Kelly Williams	FUR-FU-10003975	Furniture	Furnishings	Eldon Advantage Chair Mats	2	43
EL-13735	Ed Ludwig	US-2017-150707	Home Office	Columbia, Maryland, 21044	East	Chuck Magee	OFF-BI-10001078	Office Supplies	Binders	Acco PRESSTEX Data Binder with Storage Hooks	7	5
LB-16735	Larry Blacks	US-2016-111115	Consumer	Los Angeles, California, 90032	West	Anna Andreadi	OFF-FA-10000624	Office Supplies	Fasteners	Oic Binder Clips	6	4
LB-16735	Larry Blacks	US-2017-154088	Consumer	Tallahassee, Florida, 32303	South	Cassandra Brandon	OFF-PA-10003651	Office Supplies	Paper	Xerox 1912	5	5
LB-16735	Larry Blacks	US-2017-160045	Consumer	Fort Worth, Texas, 76106	Central	Kelly Williams	FUR-FU-100000576	Furniture	Furnishings	DAX Value U-Channel Document Frames Easel Back	1	2
SS-20515	Shirley Schmidt	US-2014-124464	Home Office	Newark, Delaware, 19711	East	Chuck Magee	OFF-AP-10000576	Office Supplies	Appliances	Belkin 7 Outlet SurgeMaster II	1	39
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	FUR-FU-10001487	Furniture	Furnishings	Eldon Expressions Wood and Plastic Desk Accessories	3	7
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	OFF-BI-10001078	Office Supplies	Binders	GBC Prepunched Paper 19-Hole for Binding Systems 24-lb	9	15
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	TEC-AC-10003289	Technology	Accessories	Anker Ultra-Slim Mini Bluetooth 3.0 Wireless Keyboard	14	20
SS-20515	Shirley Schmidt	US-2016-163538	Home Office	Franklin, Wisconsin, 53132	Central	Kelly Williams	TEC-AC-10002006	Technology	Accessories	Memorex Micro Travel Drive 16 GB	3	16

Second Normal Form												
CustomerID	CustomerName	OrderID	Segment	ShippingAddr	Region	Salesperson	ProductID	Category	Sub-Category	ProductName	Quantity	UnitPrice
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 93727	West	Anna Andreadi	OFF-PA-10000740	Office Supplies	Paper	Xerox 1982	2	23
BE-11410	Bobby Elias	US-2016-161662	Consumer	Lancaster, Ohio, 43130	East	Chuck Magee	OFF-PA-10003395	Office Supplies	Paper	Xerox 1912	2	15
EL-13735	Ed Ludwig	US-2017-150707	Home Office	Columbia, Maryland, 21044	East	Chuck Magee	OFF-BI-10001078	Office Supplies	Binders	Acco PRESSTEX Data Binder with Storage Hooks	7	5
LB-16735	Larry Blacks	US-2016-111115	Consumer	Los Angeles, California, 90032	West	Anna Andreadi	OFF-FA-10000624	Office Supplies	Fasteners	Oic Binder Clips	6	4
LB-16735	Larry Blacks	US-2017-154088	Consumer	Tallahassee, Florida, 32303	South	Cassandra Brandon	OFF-PA-10003651	Office Supplies	Paper	Xerox 1912	5	5
LB-16735	Larry Blacks	US-2017-160045	Consumer	Fort Worth, Texas, 76106	Central	Kelly Williams	FUR-FU-100000576	Furniture	Furnishings	DAX Value U-Channel Document Frames Easel Back	1	2
SS-20515	Shirley Schmidt	US-2014-124464	Home Office	Newark, Delaware, 19711	East	Chuck Magee	OFF-AP-10000576	Office Supplies	Appliances	Belkin 7 Outlet SurgeMaster II	1	39
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	FUR-FU-10001487	Furniture	Furnishings	Eldon Expressions Wood and Plastic Desk Accessories	3	7
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	OFF-BI-10001078	Office Supplies	Binders	GBC Prepunched Paper 19-Hole for Binding Systems 24-lb	9	15
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky, 40214	South	Cassandra Brandon	TEC-AC-10003289	Technology	Accessories	Anker Ultra-Slim Mini Bluetooth 3.0 Wireless Keyboard	14	20
SS-20515	Shirley Schmidt	US-2016-163538	Home Office	Franklin, Wisconsin, 53132	Central	Kelly Williams	TEC-AC-10002006	Technology	Accessories	Memorex Micro Travel Drive 16 GB	3	16

OrderID	Segment	ShippingAddr	Region	Salesperson
US-2017-12471	Home Office	Fresno, California, 9	West	Anna Andreadi
US-2017-12471	Home Office	Fresno, California, 9	West	Anna Andreadi
US-2017-12471	Home Office	Fresno, California, 9	West	Anna Andreadi
US-2016-16166	Consumer	Lancaster, Ohio, 431	East	Chuck Magee
US-2017-12131	Consumer	Miami, Florida, 331	South	Cassandra Brandon
US-2016-11306	Home Office	Jefferson City, Miss	Central	Kelly Williams
US-2017-15070	Home Office	Columbia, Maryland,	East	Chuck Magee
US-2016-11111	Consumer	Los Angeles, Califor	West	Anna Andreadi
US-2017-15408	Consumer	Tallahassee, Florida,	South	Cassandra Brandon
US-2017-16004	Consumer	Fort Worth, Texas, 1	Central	Kelly Williams
US-2014-12446	Home Office	Newark, Delaware, :	East	Chuck Magee
US-2015-10113	Home Office	Louisville, Kentucky,	South	Cassandra Brandon
US-2015-10113	Home Office	Louisville, Kentucky,	South	Cassandra Brandon
US-2015-10113	Home Office	Louisville, Kentucky,	South	Cassandra Brandon
US-2016-16353	Home Office	Franklin, Wisconsin,	Central	Kelly Williams

ProductID	Category	Sub-Category	ProductName	UnitPrice
OFF-PA-100007	Office Supplies	Paper	Xerox 1982	23
OFF-PA-100011	Office Supplies	Paper	Xerox 1913	55
OFF-PA-100008	Office Supplies	Paper	Unpadded Men	4
OFF-PA-100034	Office Supplies	Paper	Xerox 1912	15
OFF-PA-100033	Office Supplies	Paper	Xerox 1941	84
FUR-FU-100039	Furniture	Furnishings	Eldon Advanta	43
OFF-BI-100010	Office Supplies	Binders	Acco PRESSTEX	5
OFF-FA-100006	Office Supplies	Fasteners	Oic Binder Clip	4
OFF-PA-100036	Office Supplies	Paper	Xerox 1912	5
FUR-FU-100000	Furniture	Furnishings	DAX Value U-C	2
OFF-AP-100005	Office Supplies	Appliances	Belkin 7 Outlet	39
FUR-FU-100014	Furniture	Furnishings	Eldon Expressi	7
OFF-BI-100010	Office Supplies	Binders	GBC Prepunch	15
TEC-AC-100032	Technology	Accessories	Anker Ultra-Sli	20
TEC-AC-100020	Technology	Accessories	Memorex Micr	16

Third Normal Form												
CustomerID	CustomerName	OrderID	Segment	ShippingAddr	Region	Salesperson	ProductID	Category	Sub-Category	ProductName	Quantity	UnitPrice
BD-11560	Brendan Dodson	US-2017-124716	Home Office	Fresno, California, 9	West	Anna Andreadi	OFF-PA-10000740	Office Supplies	Paper	Xerox 1982	2	23
BE-11410	Bobby Elias	US-2016-161662	Consumer	Lancaster, Ohio, 431	East	Chuck Magee	OFF-PA-10003395	Office Supplies	Paper	Xerox 1912	2	15
EL-13735	Ed Ludwig	US-2017-150707	Home Office	Columbia, Maryland,	East	Chuck Magee	OFF-BI-10001078	Office Supplies	Binders	Acco PRESSTEX	7	5
LB-16735	Larry Blacks	US-2016-111115	Consumer	Los Angeles, Califor	West	Anna Andreadi	OFF-FA-10000624	Office Supplies	Fasteners	Oic Binder Clip	6	4
LB-16735	Larry Blacks	US-2017-154088	Consumer	Tallahassee, Florida,	South	Cassandra Brandon	OFF-PA-10003651	Office Supplies	Paper	Xerox 1912	5	5
LB-16735	Larry Blacks	US-2017-160045	Consumer	Fort Worth, Texas, 1	Central	Kelly Williams	FUR-FU-100000576	Furniture	Furnishings	DAX Value U-C	2	2
SS-20515	Shirley Schmidt	US-2014-124464	Home Office	Newark, Delaware, :	East	Chuck Magee	OFF-AP-10000576	Office Supplies	Appliances	Belkin 7 Outlet	39	39
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky,	South	Cassandra Brandon	FUR-FU-10001487	Furniture	Furnishings	Eldon Expressi	7	7
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky,	South	Cassandra Brandon	OFF-BI-10001078	Office Supplies	Binders	GBC Prepunch	15	15
SS-20515	Shirley Schmidt	US-2015-101135	Home Office	Louisville, Kentucky,	South	Cassandra Brandon	TEC-AC-10003289	Technology	Accessories	Anker Ultra-Sli	20	20
SS-20515	Shirley Schmidt	US-2016-163538	Home Office	Franklin, Wisconsin,	Central	Kelly Williams	TEC-AC-10002006	Technology	Accessories	Memorex Micr	16	16

OrderID	Segment	ShippingAddr	Region
US-2017-12471	Home Office	Fresno, California, 9	West
US-2017-12471	Home Office	Fresno, California, 9	West
US-2017-12471	Home Office	Fresno, California, 9	West
US-2016-16166	Consumer	Lancaster, Ohio, 431	East
US-2017-12131	Consumer	Miami, Florida, 331	South
US-2016-11306	Home Office	Jefferson City, Miss	Central
US-2017-15070	Home Office	Columbia, Maryland,	East
US-2016-11111	Consumer	Los Angeles, Califor	West
US-2017-15408	Consumer	Tallahassee, Florida,	South
US-2017-16004	Consumer	Fort Worth, Texas, 1	Central
US-2014-12446	Home Office	Newark, Delaware, :	East
US-2015-10113	Home Office	Louisville, Kentucky,	South
US-2015-10113	Home Office	Louisville, Kentucky,	South
US-2015-10113	Home Office	Louisville, Kentucky,	South
US-2016-16353	Home Office	Franklin, Wisconsin,	Central

Region	Salesperson
West	Anna Andreadi
East	Chuck Magee
South	Cassandra Brandon
Central	Kelly Williams

ProductID	Category	Sub-Category	ProductName	UnitPrice
OFF-PA-100007	Office Supplies	Paper	Xerox 1982	23
OFF-PA-100011	Office Supplies	Paper	Xerox 1913	55
OFF-PA-100008	Office Supplies	Paper	Unpadded Men	4
OFF-PA-100034	Office Supplies	Paper	Xerox 1912	15
OFF-PA-100033	Office Supplies	Paper	Xerox 1941	84
FUR-FU-100039	Furniture	Furnishings	Eldon Advanta	43
OFF-BI-100010	Office Supplies	Binders	Acco PRESSTEX	5
OFF-FA-100006	Office Supplies	Fasteners	Oic Binder Clip	4
OFF-PA-100036	Office Supplies	Paper	Xerox 1912	5
FUR-FU-100000	Furniture	Furnishings	DAX Value U-C	2
OFF-AP-100005	Office Supplies	Appliances	Belkin 7 Outlet	39
FUR-FU-100014	Furniture	Furnishings	Eldon Expressi	7
OFF-BI-100010	Office Supplies	Binders	GBC Prepunch	15
TEC-AC-100032	Technology	Accessories	Anker Ultra-Sli	20
TEC-AC-100020	Technology	Accessories	Memorex Micr	16