

CUSTOMERS

STANDARD CUSTOMERS

SQL 1 x								
1	-- Express Customers							
2	SELECT *							
3	FROM User							
4	WHERE CustomerType = 'Express';							
5								
6								
UserID	UserType	Email	PaymentInfo	OrdersDate	Name	PhoneNumber	Address	CustomerType
1	2 ExpressCustomer	bowmancristina@example.org	VISA 16 digit ...	2023-09-27	Mr. Bradley Wright	370.702.2599x4969	5897 Bartlett Pike New Glennshire, KY 45561	Express
2	4 ExpressCustomer	angelahogan@example.org	VISA 16 digit...	2023-09-29	Aaron Davies	+1-952-269-5195x18345	0877 Obrien Harbor...	Express
3	8 ExpressCustomer	katie03@example.com	JCB 15 digit...	2023-10-04	Matthew Roberts	210-341-6604	3052 Brown Hill...	Express
4	14 ExpressCustomer	markgriffin@example.net	Diners Club / Carte Blanch...	2023-09-19	Dawn Roy	(236)738-6706x25351	68581 Yang Wall Apt. 546...	Express
5	18 ExpressCustomer	hollysampson@example.net	VISA 16 digit...	2023-09-28	Charles Hernandez	+1-908-788-0180x6561	505 Jessica Shoal Suite 389...	Express

EXPRESS CUSTOMERS

SQL 1 x								
1	-- Standard Customers							
2	SELECT *							
3	FROM User							
4	WHERE CustomerType = 'Standard';							
UserID	UserType	Email	PaymentInfo	OrdersDate	Name	PhoneNumber	Address	CustomerType
1	1 Customer	matthew54@example.net	JCB 15 digit ...	2023-09-29	Scott Paul	001-282-916-7683x0858	30714 Tanya Mountains Carlostown, PR ...	Standard
2	3 Customer	whitakerjustin@example.com	Discover ...	2023-09-25	Todd Price	+1-399-623-4920x8374	2799 Greer Ways Suite 912 Lauraport, ID ...	Standard
3	5 ExpressCustomer	jonesbobby@example.com	JCB 16 digit...	2023-09-23	Luis Payne	(913)236-7961x648	82936 Martin Turnpike Suite 378...	Standard
4	6 Customer	amberharvey@example.org	JCB 15 digit...	2023-10-12	Olivia Hayes	403.381.4028x830	098 Jason Hill Suite 657...	Standard
5	7 Customer	chad49@example.org	Diners Club / Carte Blanche...	2023-09-20	Jason Romero	(791)401-6200	USCGC Gonzalez...	Standard
6	9 Customer	elizabeth36@example.org	American Express...	2023-10-18	Jennifer Gallagher	001-839-407-1994x678	881 Ware Greens Suite 678...	Standard
7	10 Customer	brian98@example.net	American Express...	2023-10-16	Cheyenne Contreras	(424)936-4406x453	3540 Simpson Plaza Apt. 710...	Standard
8	11 Customer	starkamanda@example.org	American Express...	2023-10-17	Jo Fuller	(773)437-6044	USCGC Salazar...	Standard
9	12 Customer	woodjesse@example.net	Mastercard...	2023-10-05	Amy Molina	001-648-429-4935	348 Lopez Course...	Standard
10	13 Customer	kristin47@example.com	VISA 13 digit...	2023-09-28	Debbie Delacruz	(565)795-3635	PSC 6825, Box 0090...	Standard
11	15 Customer	vanessaflares@example.com	VISA 19 digit...	2023-10-01	Elizabeth Garcia	(299)760-6644	587 Richards Wall Apt. 814...	Standard
12	16 Customer	reynoldssarah@example.org	Diners Club / Carte Blanche...	2023-09-25	John Miller	240-402-3356	8656 Kathleen Coves...	Standard
13	17 Customer	danielle59@example.net	American Express...	2023-10-05	Laura Turner	001-841-431-6496x374	881 Padilla Islands...	Standard

ARTICLES

PERISHABLES

SQL1 x

1

-- Query to retrieve all perishable articles

2

SELECT A.ArticleID, A.Type, P.ArticleName, P.ExpiryDate

3

FROM Article AS A

4

JOIN Perishables AS P ON A.ArticleID = P.ArticleID;

5

	ArticleID	ArticleName	ExpiryDate
1	1	Banan	2023-11-17
2	2	Peach	2023-10-21
3	3	Carrot	2023-11-07
4	4	Eggs	2023-11-11
5	5	Bread	2023-10-25
6	6	Meat	2023-11-01
7	7	Milk	2023-10-25
8	8	Fish	2023-10-21
9	9	Cheese	2023-11-08

NON-PERISHABLES

SQL1 x

1

-- Non-Perishables

2

SELECT A.ArticleID, A.Type, NP.ArticleName

3

FROM Article AS A

4

JOIN NonPerishables AS NP ON A.ArticleID = NP.ArticleID;

5

	ArticleID	Type	ArticleName
1	10	NonPerishables	Iphone
2	11	NonPerishables	Battery
3	12	NonPerishables	TV
4	13	NonPerishables	Scissors
5	14	NonPerishables	Book
6	15	NonPerishables	Bag
7	16	NonPerishables	Umbrella
8	17	NonPerishables	Paper
9	18	NonPerishables	Laptop

SHIPMENT

EXPRESS PACKAGES

SQL1 x									
1	SELECT EP.*, SP.*, U.OrdersDate AS OrdersDate								
2	FROM ExpressPackage AS EP								
3	JOIN User AS U ON EP.PackageID = U.UserID								
4	LEFT JOIN ShipmentDepartment AS SP ON EP.PackageID = SP.OrdersID;								
5									
	PackageID	DeliveryTime	BillOfLoading	OrdersID	Address	ETA	ThirdPartyLogistics	OrdersDate	
1	2	2	65488	2	5897 Bartlett Pike New Glennshire, KY 45561	2023-10-20	Lee PLC	2023-09-27	
2	4	3	60904	4	0877 Obrien Harbor Port Sandra, AL 51908	2023-11-11	Garcia, Brown and Nelson	2023-09-29	
3	8	1	24790	8	3052 Brown Hill South Victorchester, TX ...	2023-10-19	Wagner, Richards and Glass	2023-10-04	
4	14	2	19208	14	68581 Yang Wall Apt. 546 Katherinemouth,...	2023-10-22	Russell-Mitchell	2023-09-19	
5	18	1	55256	18	505 Jessica Shoal Suite 389 Stricklandburg...	2023-11-13	Conrad-Robertson	2023-09-28	

STANDARD PACKAGES

SQL1 x									
1	SELECT P.*, SP.*, U.OrdersDate AS OrdersDate								
2	FROM StandardPackage AS P								
3	JOIN User AS U ON P.PackageID = U.UserID								
4	LEFT JOIN ShipmentDepartment AS SP ON P.PackageID = SP.OrdersID;								
5									
	PackageID	DeliveryTime	BillOfLoading	OrdersID	Address	ETA	ThirdPartyLogistics	OrdersDate	
1	1	2	70708	1	30714 Tanya Mountains Carlstown, PR ...	2023-11-14	Gray, Joseph and Hughes	2023-09-29	
2	3	3	55604	3	2799 Greer Ways Suite 912 Lauraport, ID ...	2023-11-04	Bennett-Johnston	2023-09-25	
3	5	6	40900	5	82936 Martin Turnpike Suite 378 New ...	2023-10-27	Warren-Burton	2023-09-23	
4	6	7	53226	6	098 Jason Hill Suite 657 Williamview, GA ...	2023-10-20	Todd, Bates and Martin	2023-10-12	
5	7	5	18703	7	73850 Wiggins Manors Fernandoshire, TX ...	2023-10-27	Hurst, Matthews and Brennan	2023-09-20	
6	9	4	38279	9	881 Ware Greens Suite 678 East Lisa, OH ...	2023-11-08	Harvey Group	2023-10-18	
7	10	3	68788	10	3540 Simpson Plaza Apt. 710 South Sean, ...	2023-10-25	Stewart, Turner and Hampton	2023-10-16	
8	11	3	41128	11	USCGC Salazar FPO AA 15730	2023-10-21	Edwards, Russell and Simpson	2023-10-17	
9	12	6	44087	12	348 Lopez Course South Coreyport, PW ...	2023-10-23	Harper Inc	2023-10-05	
10	13	5	69648	13	PSC 6825, Box 0090 APO AP 75313	2023-11-09	Aguirre-Hill	2023-09-28	
11	15	4	54388	15	587 Richards Wall Apt. 814 South ...	2023-10-31	Riley-Fox	2023-10-01	
12	16	7	68521	16	8656 Kathleen Coves Lake Jessicamouth, P...	2023-11-12	Horton, Reese and Wolfe	2023-09-25	
13	17	5	13221	17	881 Padilla Islands West Lindafurt, AK 61310	2023-10-22	Carey-Shannon	2023-10-05	

Average Delivery Time

SQL 1 x	
<pre>1 SELECT P.Type, AVG(SP.DeliveryTime) AS AverageDeliveryTime 2 FROM Packaging P 3 LEFT JOIN StandardPackage SP ON P.PackageID = SP.PackageID 4 LEFT JOIN ExpressPackage EP ON P.PackageID = EP.PackageID 5 GROUP BY P.Type 6 HAVING AverageDeliveryTime > 1; 7</pre>	
Type	AverageDeliveryTime
1 ExpressPackage	2.0
2 StandardPackage	4.833333333333333

Total Price of Orders By each Costumer Type

SQL 1 x	
<pre>1 SELECT U.UserType, SUM(O.Price) AS TotalPrice 2 FROM User U 3 JOIN Customer C ON U.UserID = C.UserID 4 LEFT JOIN ExpressCustomer EC ON U.UserID = EC.UserID 5 JOIN Orders O ON U.UserID = O.OrdersID 6 GROUP BY U.UserType 7 HAVING TotalPrice > 500; 8</pre>	
UserType	TotalPrice
1 Customer	5937.33
2 ExpressCustomer	711.18

Orders Placed By Each Costumer

SQL 1 x

```
1 SELECT U.Name AS CustomerName, AVG(LENGTH(O.Articles) - LENGTH(REPLACE(O.Articles, ',', '')) + 1) AS AvgArticlesOrdered
2 FROM User U
3 LEFT JOIN Orders O ON U.UserID = O.OrdersID
4 GROUP BY U.Name
5 ORDER BY AvgArticlesOrdered DESC;
6
```

	CustomerName	AvgArticlesOrdered
1	Todd Price	1.0
2	Scott Paul	1.0
3	Olivia Hayes	1.0
4	Mr. Bradley Wright	1.0
5	Matthew Roberts	1.0
6	Luis Payne	1.0
7	Laura Turner	1.0
8	John Miller	1.0
9	Jo Fuller	1.0
10	Jennifer Gallagher	1.0
11	Jason Romero	1.0
12	Elizabeth Garcia	1.0
13	Debbie Delacruz	1.0
14	Dawn Roy	1.0
15	Cheyenne Contreras	1.0
16	Charles Hernandez	1.0
17	Amy Molina	1.0
18	Aaron Davies	1.0