

Jae Bum Jang

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Practice SQL 25-32 HW

25. List the customer name and the total of all payments made by each customer (98)

```
SELECT c.customername, SUM(p.amount) as total_payments
FROM customers c
JOIN payments p ON c.customernumber = p.customernumber
GROUP BY c.customername ORDER BY c.customername;
```

Output:

1. Alpha Cognac 60483.36
2. Amica Models & Co. 82223.23
3. Anna's Decorations, Ltd 137034.22
4. Atelier graphique 22314.36
5. Australian Collectables, Ltd 44920.76
6. Australian Collectors, Co. 180585.07
7. Australian Gift Network, Co 55190.16
8. Auto-Moto Classics Inc. 21554.26
9. Auto Associés & Cie. 58876.41
10. Auto Canal+ Petit 86436.97
11. AV Stores, Co.148410.09
12. Baane Mini Imports 104224.79
13. Bavarian Collectables Imports, Co. 31310.09
14. Blauer See Auto, Co. 75937.76
15. Boards & Toys Co. 7918.6
16. CAF Imports 46751.14
17. Cambridge Collectables Co. 32198.69
18. Canadian Gift Exchange Network 70122.19
19. Classic Gift Ideas, Inc 57939.34
20. Classic Legends Inc. 69214.33
21. Clover Collections, Co. 49898.27
22. Collectable Mini Designs Co. 80375.24
23. Collectables For Less Inc. 73533.65
24. Corporate Gift Ideas Co. 132340.78
25. Corrida Auto Replicas, Ltd 112440.09
26. Cruz & Sons Co. 87468.3

27. Daedalus Designs Imports 61781.7
28. Danish Wholesale Imports 107446.5
29. Diecast Classics Inc. 98509.25
30. Diecast Collectables 65541.74
31. Double Decker Gift Stores, Ltd 29586.15
32. Down Under Souvenirs, Inc 154622.08
33. Dragon Souvenirs, Ltd. 156251.03
34. Enaco Distributors 68520.47
35. Euro+ Shopping Channel 715738.98
36. Extreme Desk Decorations, Ltd 66704.94
37. Frau da Collezione 25358.32
38. FunGiftIdeas.com 88627.49
39. Gift Depot Inc. 95424.63
40. Gift Ideas Corp. 49967.78
41. Gifts4AllAges.com 33533.47
42. giftsbymail.co.uk 71783.75
43. GiftsForHim.com 56662.38
44. Handji Gifts& Co 105420.57
45. Heintze Collectables 89909.8
46. Herkku Gifts 97562.47
47. Iberia Gift Imports, Corp. 50987.85
48. Kelly's Gift Shop 114497.19
49. King Kong Collectables, Co. 45480.79
50. L'ordine Souvenirs 90143.31
51. La Corne D'abondance, Co. 86553.52
52. La Rochelle Gifts 116949.68
53. Land of Toys Inc. 107639.94
54. Lyon Souvenirs 67659.19
55. Marseille Mini Autos 71547.53
56. Marta's Replicas Co. 90545.37
57. Men 'R' US Retailers, Ltd. 41506.19
58. Microscale Inc. 29230.43
59. Mini Auto Werke 51059.99
60. Mini Caravy 75859.32
61. Mini Classics 78432.16
62. Mini Creations Ltd. 101872.52
63. Mini Gifts Distributors Ltd. 584188.24

64. Mini Wheels Co.	66710.56
65. Motor Mint Distributors Inc.	77726.59
66. Muscle Machine Inc	177913.95
67. Norway Gifts By Mail, Co.	69059.04
68. Online Diecast Creations Co.	116449.29
69. Online Mini Collectables	55577.26
70. Osaka Souvenirs Co.	62361.22
71. Oulu Toy Supplies, Inc.	95706.15
72. Petit Auto	62253.85
73. Québec Home Shopping Network	68977.67
74. Reims Collectables	126983.19
75. Rovelli Gifts	127529.69
76. Royal Canadian Collectables, Ltd.	66812
77. Royale Belge	29217.18
78. Salzburg Collectables	85060
79. Saveley & Henriot, Co.	130305.35
80. Scandinavian Gift Ideas	76776.44
81. Signal Collectibles Ltd.	42570.37
82. Signal Gift Stores	80180.98
83. Souvenirs And Things Co.	91655.61
84. Stylish Desk Decors, Co.	80556.73
85. Suominen Souvenirs	103896.74
86. Super Scale Inc.	70378.65
87. Technics Stores Inc.	104545.22
88. Tekni Collectables Inc.	38281.51
89. The Sharp Gifts Warehouse	59551.38
90. Tokyo Collectables, Ltd	105548.73
91. Toms Spezialitäten, Ltd	89223.14
92. Toys of Finland, Co.	95546.46
93. Toys4GrownUps.com	93803.3
94. UK Collectables, Ltd.	61167.18
95. Vida Sport, Ltd	108777.92
96. Vitachrome Inc.	72497.64
97. Volvo Model Replicas, Co	43680.65
98. West Coast Collectables Co.	43748.72

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26. Find the largest payment made by a customer (1)

```
SELECT MAX(amount) AS largest_payment
FROM payments;
```

Output:

1. largest\_payment = 120166.58
- 

27. Find the average payment made by a customer (1)

```
SELECT AVG(amount) AS average_payment
FROM payments;
```

Output:

1. average\_payment = 32431.645531135531
- 

28. What is the total number of products per product line (7)? List the product line and the number of products in that product line.

```
SELECT productline, COUNT(*) as number_of_product
FROM products
GROUP BY productline;
```

Output:

1. Classic Cars 38
  2. Trains 3
  3. Planes 12
  4. Trucks and Buses 11
  5. Vintage Cars 24
  6. Motorcycles 13
  7. Ships 9
- 

29. What is the number of orders per status (6)? List each status and the number of orders in that status.

```
SELECT status, COUNT(*) AS number_of_orders
FROM orders
GROUP BY status;
```

Output:

1. Shipped 303
  2. In Process 6
  3. Disputed 3
  4. Cancelled 6
  5. Resolved 4
  6. On Hold 4
- 

30. List the city, phone, address, state, country, postal code, and territory of each office and the number of employees working in that office (7).

```
SELECT o.city, o.phone, o.addressline1, o.state, o.country, o.postalcode,
o.territory,
COUNT(e.employeenumber) as number_of_employees
FROM offices o
INNER JOIN employees e ON o.officecode = e.officecode
GROUP BY o.city, o.phone, o.addressline1, o.state, o.country, o.postalcode,
o.territory;
```

Output:

1. Paris +33 14 723 4404 43 Rue Jouffroy D'abbans France 75017  
EMEA 5
2. Sydney +61 2 9264 2451 5-11 Wentworth Avenue Australia  
NSW 2010 APAC 4
3. NYC +1 212 555 3000 523 East 53rd Street NY USA 10022 NA 2
4. London +44 20 7877 2041 25 Old Broad Street UK EC2N 1HN  
EMEA 2
5. Boston +1 215 837 0825 1550 Court Place MA USA 02107 NA 2
6. Tokyo +81 33 224 5000 4-1 Kioicho Chiyoda-Ku Japan 102-8578  
Japan 2
7. San Francisco +1 650 219 4782 100 Market Street CA USA 94080 NA  
6

Screenshot Output:

	city	phone	addressline1	state	country	postalcode	territory	number_of_employees
1	Paris	+33 14 723 4404	43 Rue Jouffroy D'abbans	<null>	France	75017	EMEA	5
2	Sydney	+61 2 9264 2451	5-11 Wentworth Avenue	<null>	Australia	NSW 2010	APAC	4
3	NYC	+1 212 555 3000	523 East 53rd Street	NY	USA	10022	NA	2
4	London	+44 20 7877 2041	25 Old Broad Street	<null>	UK	EC2N 1HN	EMEA	2
5	Boston	+1 215 837 0825	1550 Court Place	MA	USA	02107	NA	2
6	Tokyo	+81 33 224 5000	4-1 Kioicho	Chiyoda-Ku	Japan	102-8578	Japan	2
7	San Francisco	+1 650 219 4782	100 Market Street	CA	USA	94080	NA	6

31. List each product line and the number of products within that product line for those product lines with > 3 products. (6)

```
SELECT productline, COUNT(*) AS number_of_products
FROM products
GROUP BY productline HAVING COUNT(*) > 3;
```

Output:

1. Classic Cars 38
  2. Planes 12
  3. Trucks and Buses 11
  4. Vintage Cars 24
  5. Motorcycles 13
  6. Ships 9
- 

32. List the orderNumber and order total for all orders that totaled more than \$60,000.00. (3)

```
SELECT ordernumber, SUM(quantityordered * priceeach) as ordertotal
FROM orderdetails
GROUP BY ordernumber
HAVING SUM(quantityordered * priceeach) > 60000;
```

Output:

1. 10310 61234.67
2. 10165 67392.85
3. 10287 61402