Part I

Sample table: orders

ord\_no purch\_amt ord\_date customer\_id salesman\_id

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70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

70013 3045.6 2012-04-25 3002 5001

1. Write a SQL statement to find the total purchase amount of all orders.

SELECT SUM(purch\_amt) FROM orders;

2. Write a SQL statement to find the number of salesmen currently listing for all of their customers.

SELECT salesman\_id, COUNT(customer\_id) FROM orders GROUP BY salesman\_id;

3. Write a SQL statement to get the minimum purchase amount of all the orders.

SELECT MIN(purch\_amt) FROM orders;

4. Write a SQL statement to find the highest purchase amount ordered by the each customer with their ID and highest purchase amount.

SELECT customer\_id, MAX(purch\_amt) FROM orders GROUP BY customer\_id;

5. Write a SQL statement to find the highest purchase amount with their ID and order date, for only those customers who have a higher purchase amount in a day is within the list 2000, 3000, 5760 and 6000.

Part II

Sample table: orders

ord\_no purch\_amt ord\_date customer\_id salesman\_id

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70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

70013 3045.6 2012-04-25 3002 5001

Sample table: customer

customer\_id | cust\_name | city | grade | salesman\_id

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3002 | Nick Rimando | New York | 100 | 5001

3007 | Brad Davis | New York | 200 | 5001

3005 | Graham Zusi | California | 200 | 5002

3008 | Julian Green | London | 300 | 5002

3004 | Fabian Johnson | Paris | 300 | 5006

3009 | Geoff Cameron | Berlin | 100 | 5003

3003 | Jozy Altidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

6. Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000.

SELECT order\_no, purch\_amt, customer\_name, city

FROM orders

INNER JOIN customer ON customer\_id = customer.customer\_id

WHERE SUM(purch\_amt) > 500 AND SUM(purch\_amt) < 2000;