Assignment

There are three tables:

tblSalesPerson (<u>SName</u>, PercentOfQuota, Salary)

tblOrder (<u>OrderNumber</u>, *CustName*, *SalespersonName*, Amount)

tblCustomer (<u>CName</u>, City, IndustryType)

The sample data are shown in the next slide.

tblSalesperson

SName	PercentofQuota	Salary
Abel	63	$120,000.00
Baker	38	$42,000.00
Jones	26	$36,000.00
Kobad	27	$36,000.00
Murphy	42	$50,000.00
Zenith	59	$118,000.00

tblCustomer

CName	City	IndustryType
Abernathy Construction	Willow	B
Amalgamated Housing	Memphis	B
Manchester Lumber	Manchester	F
Tri-City Builders	Memphis	B

tblOrder

OrderNumber	CustName	SalespersonName	Amount
100	Abernathy Construction	Zenith	$560.00
200	Abernathy Construction	Jones	$1,800.00
300	Manchester Lumber	Abel	$480.00
400	Amalgamated Housing	Abel	$2,500.00
500	Abernathy Construction	Murphy	$6,000.00
600	Tri-City Builders	Abel	$700.00
700	Manchester Lumber	Jones	$150.00
800	Tri-City Builders	Abel	$800.00
900	Abernathy Construction	Abel	$600.00

Please write SQL statements to answer the following questions (Please use a piece of paper to write the SQL statements first, and then type the SQL statements into MySQL to check the results, then copy the SQL statements to a Word file. Submit the Word file to Canvas)

Q1: show the salaries of all salespeople.

Q2: show the salaries of all salespeople but omit duplicates.

Q3: show the names of all salespeople who have an order with Abernathy Construction

Q4: show the names of all salespeople who earn more than $49,999 and less than $100,000.

Q5: show the names of customers who are located in a city ending with S.

Q6: compute the number of orders.

Q7: Show the average percent of quota for salespersons.

Q7-1: Show the name and the total amount of sales for each salesperson.

Q8: show the names and salary of all salespeople who do not have an order with Abernathy construction, in ascending order of salary.

Q9: show the name of the salesperson with highest percent of quota.

Q10: compute the number of orders for each salesperson.

Q11: compute the number of orders for each salesperson, considering only orders for an amount exceeding 500.

Q12: show the names and quota percentages of salespeople who have an order with Abernathy Construction, in descending order of quota percentage (use a subquery)

Q13: show the names and quota percentages of salespeople who have an order with Abernathy Construction, in descending order of quota percentage (use a join)

Q14: show the quota percentages of salespeople who have an order with a customer in Memphis (use a subquery).

Q15: show the quota percentages of salespeople who have an order with a customer in Memphis (use a join).

Q16: show the names of salespeople who have two or more orders.

Q17: Show a SQL statement to give all salespeople 10 percent pay increase

Q18: show a SQL statement to insert a new row ("SafeWay", "Spokane", "A") into tblCustomer

Q19: show a SQL statement to change SafeWay's IndustryType to C.

Q20: show a SQL statement to delete SafeWay from tblCustomer.