SQL ASSIGNMENT ANSWERS

Q1. Write SQL query to create ta e Customers.

create table customers

(customerNumber int,customerName varchar(50), contactLastName varchar(50), contactFirstName varchar(50), phone int, addressLine1 varchar(50), addressLine2 varchar(50), city varchar(50), state varchar(50), postalcode int, country varchar(50), salesRepEmployeeNumber int, creditlimit varchar(50));

Q2. Write SQL query to create table Orders.

create table orders

(orderNumber int primary key, orderDate date, requiredDate date, shippedDate date Null, status varchar(50), comments text Null, customerNumber int);

Q3. Write SQL query to show all the columns data from the Orders Table.

show columns from orders;

Q4. Write SQL query to show all the comments from the Orders Table.

select comments from orders;

Q5. Write a SQL query to show orderDate and Total number of orders placed on that date, from Orders table.

select date(orderDate), count(orderNumber) from orders group by date(orderDate);

Q6. Write a SQL query to show employeNumber, lastName, firstName of all the employees from employees table.

select employeeNumber, lastName, firstName from employees;

Q7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

select customers.customerName, orders.orderNumber from customers

inner join orders

on customers.customerNumber=orders.customerNumber;

Q8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

select customers.customerName, employees.firstName from customers

inner join employees

on customers.salesRepEmployeeNumber=employees.employeeNumber;

Q9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the payments table.

select date(paymentDate), sum(amount) from payments group by date(paymentDate);

Q1O. Write a SQL query to show all the products productName, MSRP, productDescription from the products table.

select productName, productDescription, MSRP from products;

Q11. Write a SQL query to print the productName, productDescription of the most ordered product.

select products.productName, products.productDescription,

sum(orderdetails.quantityOrdered) as quantity from orderdetails

inner join products

on products.productCode=orderdetails.productCode

group by orderdetails.productCode

order by sum(orderdetails.quantityOrdered) Desc limit 1;

Q12. Write a SQL query to print the city name where maximum number of orders were placed.

select customers.city from customers

inner join orders

on customers.customerNumber=orders.customerNumber

group by customers.city

order by count(orders.orderNumber) desc limit 1;

Q13. Write a SQL query to get the name of the state having maximum number of customers.

select state, count(customerNumber) from customers

group by state

order by count(customerNumber) Desc limit 1;

Q14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

select employeeNumber, concat(firstName, ' ', lastName) as Completename from employees;

Q15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered x priceEach).

select customers.customerName, orders.orderNumber,

orderdetails.quantityOrdered*orderdetails.priceEach as totalamountpaid from customers

inner join orders

on customers.customerNumber=orders.customerNumber

inner join orderdetails

on orders.orderNumber=orderdetails.orderNumber;