Q07

**SELECT** productcategory.modelNum, productcategory.modelDescription, equipmentrepair.equipmentRepairDate, **COUNT**(\*) **AS** 'TotalNumberOfRepairs'

**FROM** equipmentrepair

**INNER** **JOIN** itemsold **USING**(equipmentserialnum)

**INNER** **JOIN** productcategory **USING**(modelnum)

**WHERE** equipmentrepair.equipmentRepairDate >= '2021.01.01'

**GROUP** **BY** productcategory.modelNum

Table

Description automatically generated

Q08

**SELECT** technician.technicianNum, **time\_format**(**SUM**(**TIMEDIFF**(equipmentrepair.equipmentRepairTimeCompleted, equipmentrepair.equipmentRepairTimeStarted)), "%H %i %S") **AS** "Hours Worked", technician.technicianSalaryPerHour, (technician.technicianSalaryPerHour\***time\_format**(**SUM**(**TIMEDIFF**(equipmentrepair.equipmentRepairTimeCompleted, equipmentrepair.equipmentRepairTimeStarted)), "%H %i %S")) **AS** "Total Salary"

**FROM** technician

**INNER** **JOIN** equipmentrepair **USING**(techniciannum)

**GROUP** **BY** technician.technicianNum

Table

Description automatically generated

Q09

**SELECT** **distinct**(supplier.supplierNum), supplier.supplierName

**FROM** productorder

**right** **JOIN** supplier **USING**(suppliernum)

**WHERE** supplier.supplierNum != (**SELECT** supplier.supplierNum **FROM** supplier **INNER** **JOIN** productorder **USING**(suppliernum) **WHERE** productorder.orderDateReceived **IS** **NULL**)

**ORDER** **BY** supplier.supplierName

Graphical user interface, application

Description automatically generated

Q10

**SELECT** saletransaction.salesAgreementDate, customer.customerNum, **CONCAT**(customer.customerFirstName, " ", customer.customerLastName) **AS** customer, productcategory.modelNum, productcategory.modelDescription, productcategory.modelManufacturer, itemsold.equipmentSalePrice

**FROM** saletransaction

**INNER** **JOIN** customer **USING**(customernum)

**INNER** **JOIN** salelineitem **USING**(salesagreementnum)

**INNER** **JOIN** itemsold **USING**(equipmentserialnum)

**INNER** **JOIN** productcategory **USING**(modelnum)

**WHERE** saletransaction.salesAgreementDate >= (**CURDATE**() - **INTERVAL** 2 **YEAR**)

**ORDER** **BY** saletransaction.salesAgreementDate

Graphical user interface

Description automatically generated with medium confidence

Q11

**CREATE** **VIEW** V11a **AS**

**SELECT** productcategory.modelNum, productcategory.modelDescription, **COUNT**(itemsold.modelNum) **AS** totalsales

**FROM** productcategory, itemsold

**WHERE** productcategory.modelNum=itemsold.modelNum

**GROUP** **BY** productcategory.modelNum;

**SELECT** \* **FROM** V11a;

Graphical user interface, application, table

Description automatically generated

**SELECT** \*

**FROM** V11a

**WHERE** totalsales = (**SELECT** **Max**(totalsales) **FROM** V11a);

Graphical user interface, text, application

Description automatically generated

Q12

**CREATE** **VIEW** V12A **AS**

**SELECT** productcategory.modelNum, productcategory.modelDescription, productorder.orderNum, supplier.supplierNum, restocklineitem.lineItemEquipmentPrice

**FROM** productcategory, productorder, supplier, restocklineitem

**WHERE** productcategory.modelNum = restocklineitem.modelNum

**AND** productorder.orderNum = restocklineitem.orderNum

**AND** supplier.supplierNum = productorder.supplierNum

**ORDER** **BY** productcategory.modelNum, productorder.orderNum

**SELECT** \*

**FROM** V12A

Table

Description automatically generated

**CREATE** **VIEW** V12B **AS**

**SELECT** productcategory.modelNum, productcategory.modelDescription, supplier.supplierNum

**FROM** productcategory, supplier, restocklineitem, productorder

**WHERE** productcategory.modelNum = restocklineitem.modelNum

**AND** productorder.orderNum = restocklineitem.orderNum

**AND** supplier.supplierNum = productorder.supplierNum

**SELECT** \* **FROM** v12b

**ORDER** **BY** suppliernum

Graphical user interface, table

Description automatically generated

**SELECT** modelnum, modeldescription, **COUNT**(**DISTINCT**(suppliernum)) **AS** SupplierNum

**FROM** v12b

**GROUP** **BY** modelnum

**HAVING** **COUNT**(**DISTINCT**(suppliernum)) > 1

Table

Description automatically generated with medium confidence

Q13

**PREPARE** CustomerCreditCards **FROM** 'SELECT customer.customerNum, CONCAT(customer.customerFirstName, " ", customer.customerLastName) AS "Customer", creditcard.creditCardNum, creditcard.creditCardType, CONCAT(creditcard.creditCardExpirationMonth, "/", creditcard.creditCardExpirationYear) AS "ExpDate" FROM customer INNER JOIN holdsaccount USING(customernum) INNER JOIN creditcard USING(creditcardnum) WHERE customer.customernum = ?';

**SET** @CN = '1';

**EXECUTE** CustomerCreditCards **USING** @CN;

Graphical user interface, text, application

Description automatically generated

**SET** @CN = '2';

**EXECUTE** CustomerCreditCards **USING** @CN;

Graphical user interface, text, application

Description automatically generated

Q14

**PREPARE** listrepairs **FROM** 'SELECT customer.customerNum, CONCAT(customer.customerFirstName, " ", customer.customerLastName) AS "Customer", repairitem.equipmentserialnum,

equipmentrepair.equipmentrepairdate, equipmentrepair.equipmentrepairproblemdescription

From customer

INNER JOIN serviceagreement USING(customernum)

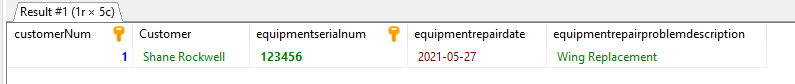
INNER JOIN repairitem USING(serviceagreementnum)

INNER JOIN equipmentrepair USING(equipmentserialnum)

WHERE customer.customernum = ?';

**SET** @CN = '1';

**EXECUTE** listrepairs **USING** @CN;



**SET** @CN = '2';

**EXECUTE** listrepairs **USING** @CN;

