Name: Date:

Using the following table named **invent**, complete the following SQL statements as well as answer all of the questions identified below. Follow the instructions on the course website to submit your completed worksheet. The total possible points you may earn for this assignment is 105.

|  |  |  |
| --- | --- | --- |
| Name of field | Type | Size |
| itemno | short text | 5 |
| itemname | short text | 25 |
| dept | short text | 2 |
| price | number | double |
| onhand | number | integer |
| onorder | number | integer |
| reorderpoint | number | integer |

While answering the questions below, don’t forget to include the ending semicolon. ;

1. (10pts) What should I write if I want all items that are in dept CIS and have a price > 25?

SELECT itemno, itemname, dept, price

FROM invent

WHERE

*Notice that I included itemno and itemname to help me figure out which items meet the criteria. These two things both have to be true so they are in an AND relationship.*

1. (10pts) What should I write if I want all items that are in dept CIS or dept SP

SELECT itemno, itemname, dept

FROM inven

WHERE

*I could have added other fields to the select if I wanted more information about the items.*

1. (10pts) What should I write if I want a query that will look for onhand > 50 **or** onorder > 100?

SELECT itemno, itemname, onhand, onorder

FROM inven

WHERE

1. (10pts) What should I write if I want both onhand > 50 **and** onorder > 100?

SELECT itemno, itemname, onhand, onorder

FROM inven

WHERE

1. (15pts) What should I write if I want all items in price > 20 and they have either onhand > 50 or onorder > 100?

SELECT itemno, itemname, dept, onhand, onorder

FROM inven

WHERE

*Remember that I want all of the items I display to have a dept of CIS and also to have either of two other conditions. So dept must be CIS and either onhand must be greater than 50 or onorder greater than 100.*

1. (15 pts) Explain what the following SQL is looking to return.

SELECT itemno, itemname, dept, onhand, onorder

FROM inven

WHERE dept = “CIS” and reorderpoint < 25 or onorder < 30;

Answer:

1. (15pts) What should I write if I want the dept = “CIS” and price < 100 OR we want the dept = “SP” and onhand < 50.

SELECT itemno, itemname, dept, price, onhand

FROM inven

WHERE

1. (10pts) Explain what the following SQL is looking to return.

SELECT itemno, itemname, dept, price, onhand, onorder

FROM inven

WHERE dept = “IT” and price > 400 or onhand > 40 or onorder > 50;

Answer:

1. (10pts) Explain what the following SQL is looking to return.

SELECT itemno, itemname, dept, price, onhand, onorder

FROM inven

WHERE dept = “IT” and (price > 400 or onhand > 40 or onorder > 50);

Answer: