

MGS 404 – Fall 2016

Homework 2– Due 10/03 before 5:00pm Total Points: 30

For all the exercises below copy and paste your queries, and paste the screenshot of the result you obtained. Submit printed hard copies.

Exercise 1: Creating database in MySQL (5 points)

Create a new database. Give any name.

“Use” this database.

Exercise 2: Creating tables in MySQL (5 points)

Use the CREATE TABLE command to create a table for the PARTS entity, with the attributes displayed in tables 1(see below). Make the “PART_NUM” attribute as a primary key. Make the “ON_HAND” attribute as NOT NULL.

Use the DESC command to check whether you created the table properly.

Exercise 3: Adding values to tables in MySQL (5 points)

Use the INSERT INTO command to populate the table you created in exercise 2. Use the sample table below (table 1) for the data values.

Use the SELECT * command to display the table you created with the data values in them.

Exercise 4: Single table queries (5*3 = 15 points)

Using a MySQL query list the description of all the parts with price of \$400 or less.

Using a MySQL query list all the rows for the parts that were both of class ‘HW’ and available at the warehouse 3.

Using a MySQL query list the description of the parts that were in the warehouses other than 3.

HINT: You can use either one of these: <>, != or NOT

Bonus Exercise: Computed columns (5 points)

List the part number, part description and inventory value for each part whose inventory value is at least \$7,500.

Hint: Use price * inventory (on_hand) to calculate the total inventory value for each one of the parts, and label the computed column INVENTORY_VALUE.

Bonus & Challenge Exercise (5 points)

List the description of all the parts that have second letter in the “Description” as “o”.

HINT: Refer to the section “/* The LIKE Operator and Wildcard Characters */” in the “SQL 9-19-2016 B.sql” file I shared. Also, do some research reading on the “Like” operator.

Sample table:

Table 1: Parts Table

PART_NUM	DESCRIPTION	ON_HAND	CLASS	WAREHOUSE	PRICE
AT94	Iron	50	HW	3	\$24.95
BV06	Home Gym	45	SG	2	\$794.95
CD52	Microwave Oven	32	AP	1	\$165.00
DL71	Cordless Drill	21	HW	3	\$129.95
DR93	Gas Range	8	AP	2	\$495.00
DW11	Washer	12	AP	3	\$399.99
FD21	Stand Mixer	22	HW	3	\$159.95
KL62	Dryer	12	AP	1	\$349.95
KT03	Dishwasher	8	AP	3	\$595.00
KV29	Treadmill	9	SG	2	\$1,390.00