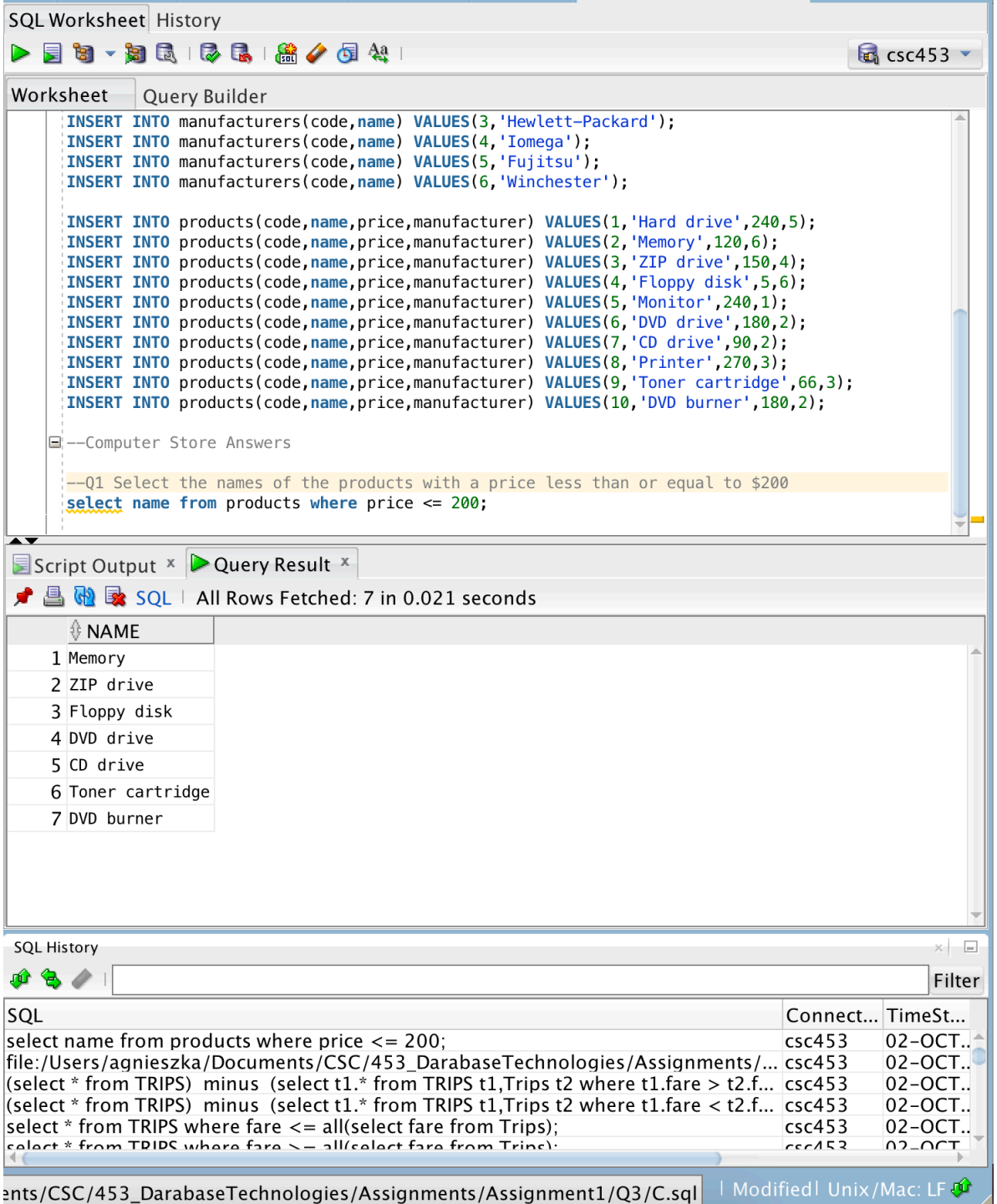

SQL Worksheet
History
csc453
Worksheet
Query Builder
INSERT INTO manufacturers(code,name) VALUES(3,'Hewlett-Packard');
INSERT INTO manufacturers(code,name) VALUES(4,'Iomega');
INSERT INTO manufacturers(code,name) VALUES(5,'Fujitsu');
INSERT INTO manufacturers(code,name) VALUES(6,'Winchester');
INSERT INTO products(code,name,price,manufacturer) VALUES(1,'Hard drive',240,5);
INSERT INTO products(code,name,price,manufacturer) VALUES(2,'Memory',120,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(3,'ZIP drive',150,4);
INSERT INTO products(code,name,price,manufacturer) VALUES(4,'Floppy disk',5,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(5,'Monitor',240,1);
INSERT INTO products(code,name,price,manufacturer) VALUES(6,'DVD drive',180,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(7,'CD drive',90,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(8,'Printer',270,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(9,'Toner cartridge',66,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(10,'DVD burner',180,2);
--Computer Store Answers
--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;
Script Output
Query Result
SQL
All Rows Fetched: 7 in 0.021 seconds
NAME
1 Memory
2 ZIP drive
3 Floppy disk
4 DVD drive
5 CD drive
6 Toner cartridge
7 DVD burner
SQL History
Filter
SQL
Connect...
TimeSt...
select name from products where price <= 200;
csc453
02-OCT..
file:/Users/agnieszka/Documents/CSC/453_DarabaseTechnologies/Assignments/...
csc453
02-OCT..
(select * from TRIPS) minus (select t1.* from TRIPS t1,Trips t2 where t1.fare > t2.f...
csc453
02-OCT..
(select * from TRIPS) minus (select t1.* from TRIPS t1,Trips t2 where t1.fare < t2.f...
csc453
02-OCT..
select * from TRIPS where fare <= all(select fare from Trips);
csc453
02-OCT..
ents/CSC/453_DarabaseTechnologies/Assignments/Assignment1/Q3/C.sql
Modified
Unix/Mac: LF

SQL Worksheet | History

csc453

Worksheet | Query Builder

```
INSERT INTO manufacturers(code,name) VALUES(6,'Winchester');

INSERT INTO products(code,name,price,manufacturer) VALUES(1,'Hard drive',240,5);
INSERT INTO products(code,name,price,manufacturer) VALUES(2,'Memory',120,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(3,'ZIP drive',150,4);
INSERT INTO products(code,name,price,manufacturer) VALUES(4,'Floppy disk',5,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(5,'Monitor',240,1);
INSERT INTO products(code,name,price,manufacturer) VALUES(6,'DVD drive',180,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(7,'CD drive',90,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(8,'Printer',270,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(9,'Toner cartridge',66,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(10,'DVD burner',180,2);

--Computer Store Answers

--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;

--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;
```

Script Output | Query Result

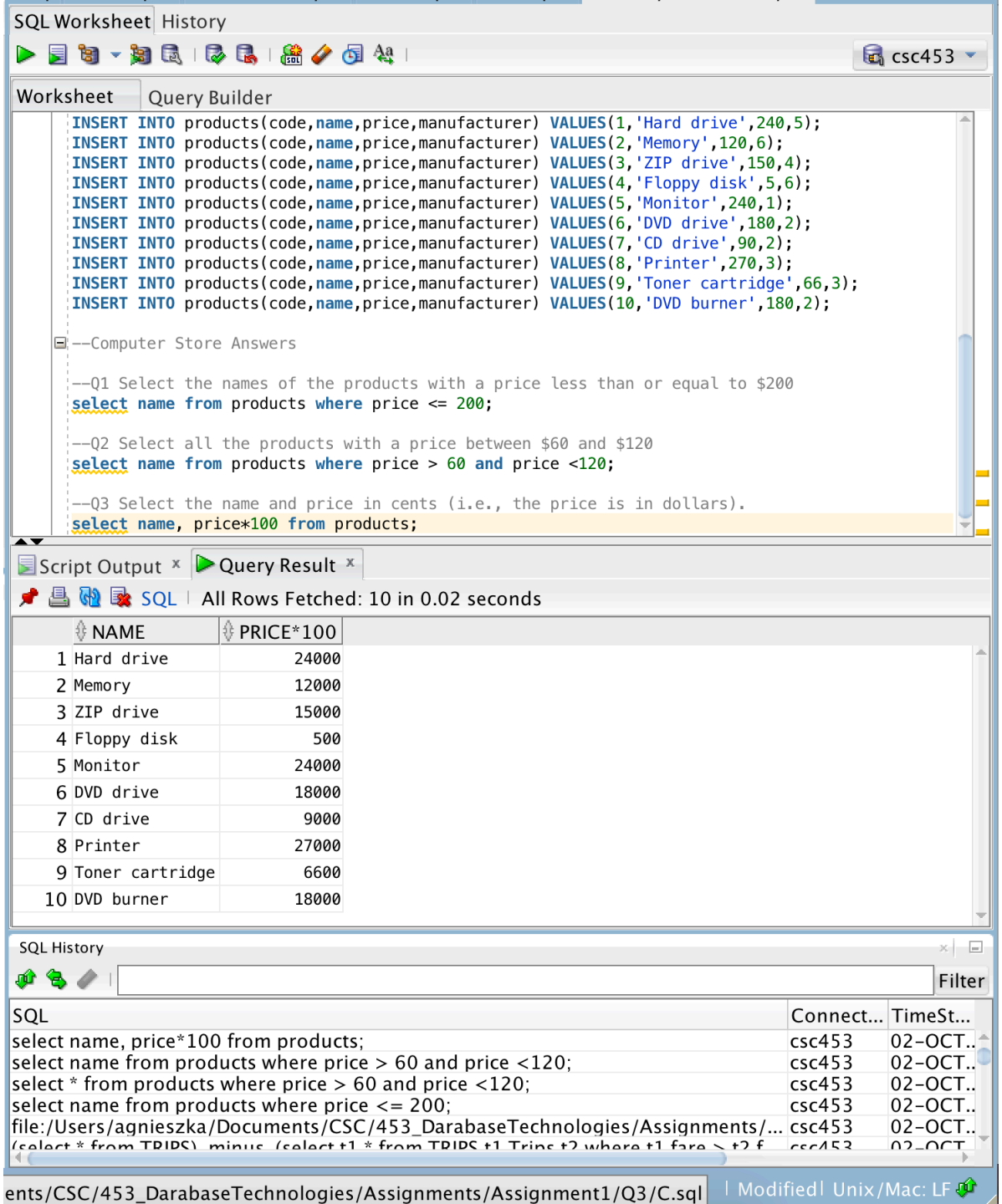
SQL | All Rows Fetched: 2 in 0.017 seconds

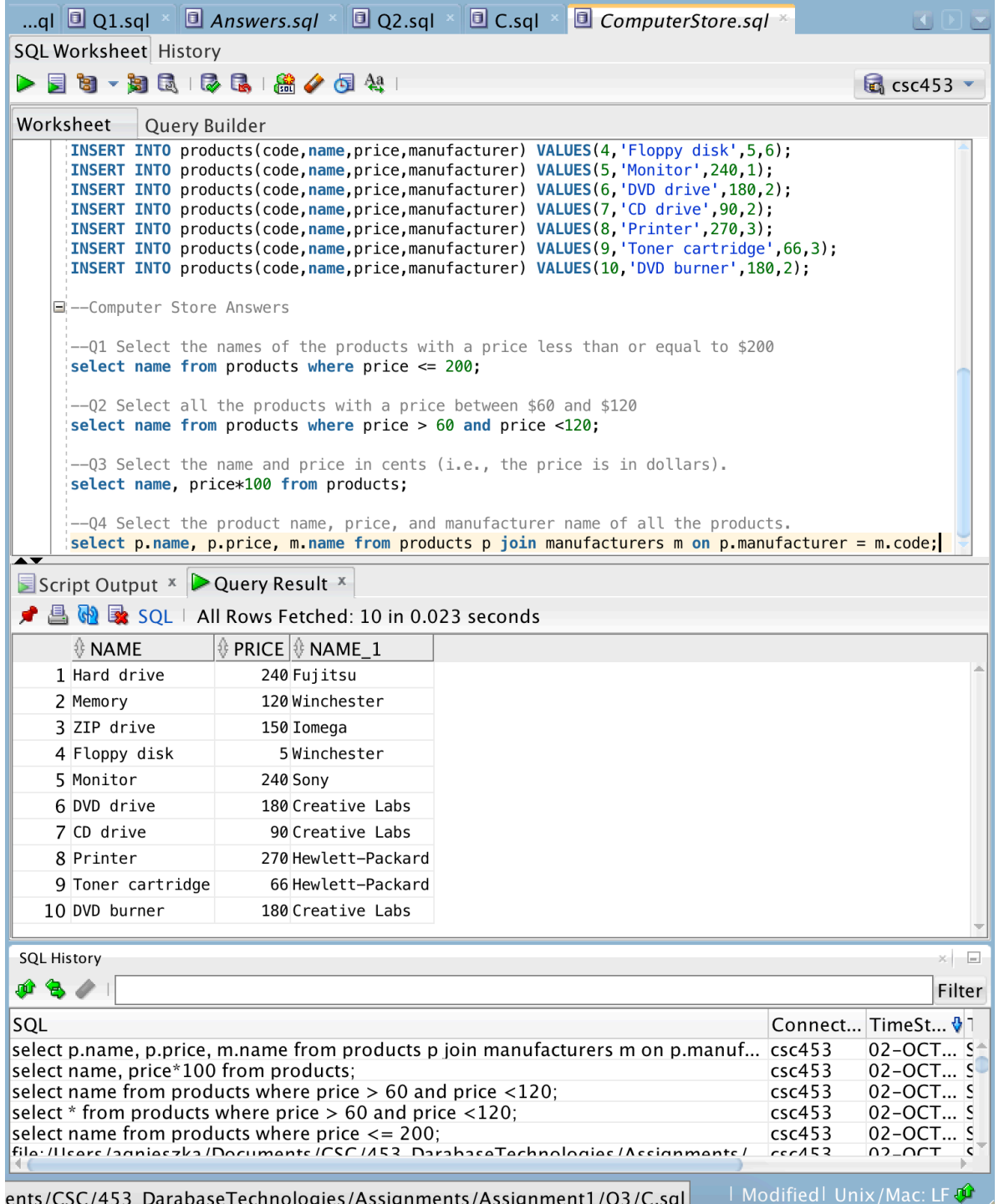
	NAME
1	CD drive
2	Toner cartridge

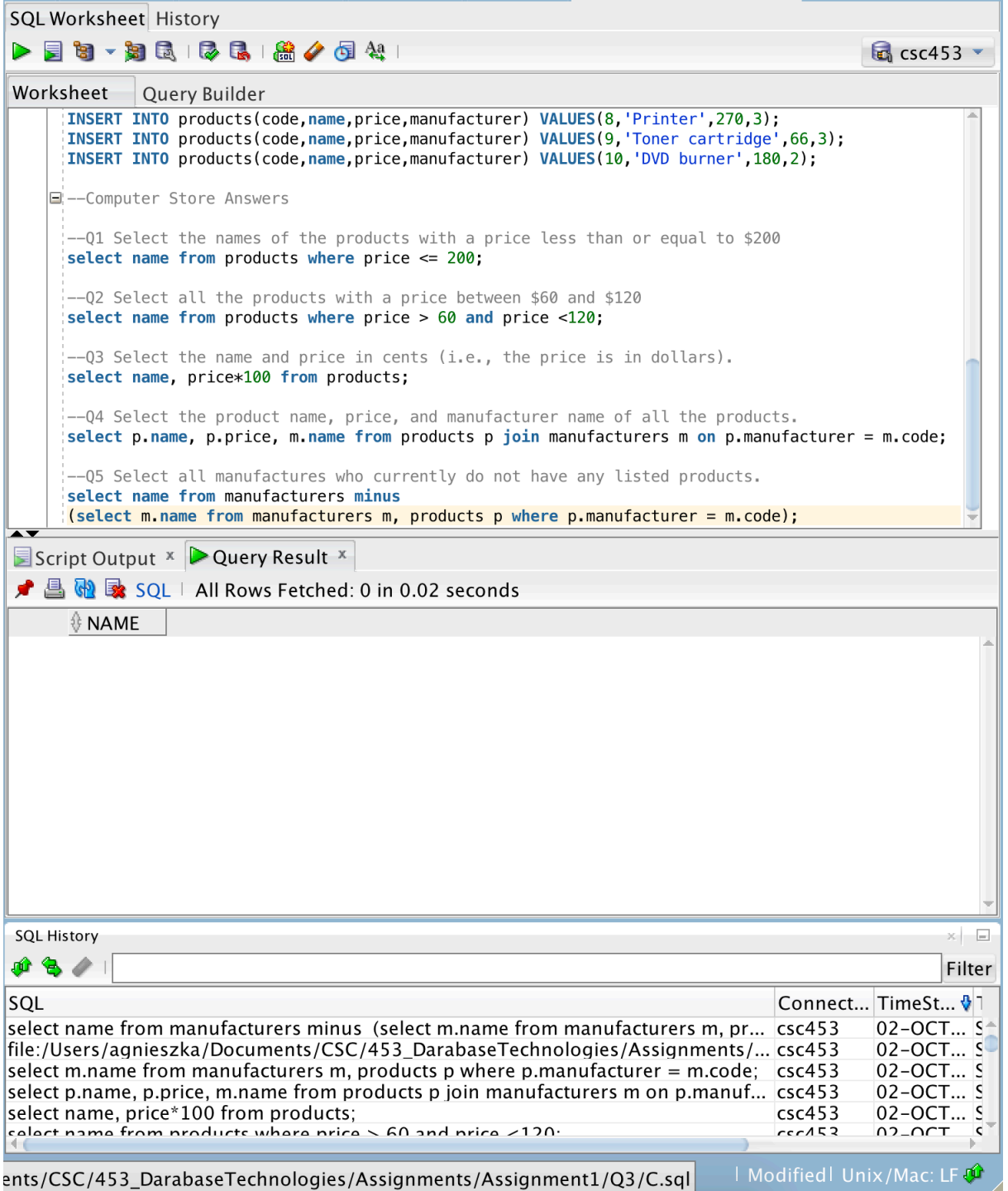
SQL History

Filter

SQL	Connect...	TimeSt...
select name from products where price > 60 and price <120;	csc453	02-OCT..
select * from products where price > 60 and price <120;	csc453	02-OCT..
select name from products where price <= 200;	csc453	02-OCT..
file:/Users/agnieszka/Documents/CSC/453_DarabaseTechnologies/Assignments/...	csc453	02-OCT..
(select * from TRIPS) minus (select t1.* from TRIPS t1,Trips t2 where t1.fare > t2.f...	csc453	02-OCT..
(select * from TRIPS) minus (select t1.* from TRIPS t1,Trips t2 where t1.fare < t2.f...	csc453	02-OCT..


SQL Worksheet
History
csc453
Worksheet
Query Builder
INSERT INTO products(code,name,price,manufacturer) VALUES(1,'Hard drive',240,5);
INSERT INTO products(code,name,price,manufacturer) VALUES(2,'Memory',120,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(3,'ZIP drive',150,4);
INSERT INTO products(code,name,price,manufacturer) VALUES(4,'Floppy disk',5,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(5,'Monitor',240,1);
INSERT INTO products(code,name,price,manufacturer) VALUES(6,'DVD drive',180,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(7,'CD drive',90,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(8,'Printer',270,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(9,'Toner cartridge',66,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(10,'DVD burner',180,2);
--Computer Store Answers
--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;
--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;
--Q3 Select the name and price in cents (i.e., the price is in dollars).
select name, price*100 from products;
Script Output
Query Result
SQL
All Rows Fetched: 10 in 0.02 seconds
NAME
PRICE*100
1 Hard drive 24000
2 Memory 12000
3 ZIP drive 15000
4 Floppy disk 500
5 Monitor 24000
6 DVD drive 18000
7 CD drive 9000
8 Printer 27000
9 Toner cartridge 6600
10 DVD burner 18000
SQL History
Filter
SQL
Connect...
TimeSt...
select name, price*100 from products; csc453 02-OCT..
select name from products where price > 60 and price <120; csc453 02-OCT..
select * from products where price > 60 and price <120; csc453 02-OCT..
select name from products where price <= 200; csc453 02-OCT..
file:/Users/agnieszka/Documents/CSC/453_DarabaseTechnologies/Assignments/... csc453 02-OCT..
ents/CSC/453_DarabaseTechnologies/Assignments/Assignment1/Q3/C.sql
Modified
Unix/Mac: LF


...ql
Q1.sql
Answers.sql
Q2.sql
C.sql
ComputerStore.sql
SQL Worksheet
History
csc453
Worksheet
Query Builder
INSERT INTO products(code,name,price,manufacturer) VALUES(4,'Floppy disk',5,6);
INSERT INTO products(code,name,price,manufacturer) VALUES(5,'Monitor',240,1);
INSERT INTO products(code,name,price,manufacturer) VALUES(6,'DVD drive',180,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(7,'CD drive',90,2);
INSERT INTO products(code,name,price,manufacturer) VALUES(8,'Printer',270,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(9,'Toner cartridge',66,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(10,'DVD burner',180,2);
--Computer Store Answers
--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;
--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;
--Q3 Select the name and price in cents (i.e., the price is in dollars).
select name, price*100 from products;
--Q4 Select the product name, price, and manufacturer name of all the products.
select p.name, p.price, m.name from products p join manufacturers m on p.manufacturer = m.code;
Script Output
Query Result
SQL
All Rows Fetched: 10 in 0.023 seconds
NAME
PRICE
NAME_1
1 Hard drive 240 Fujitsu
2 Memory 120 Winchester
3 ZIP drive 150 Iomega
4 Floppy disk 5 Winchester
5 Monitor 240 Sony
6 DVD drive 180 Creative Labs
7 CD drive 90 Creative Labs
8 Printer 270 Hewlett-Packard
9 Toner cartridge 66 Hewlett-Packard
10 DVD burner 180 Creative Labs
SQL History
Filter
SQL
Connect...
TimeSt...
select p.name, p.price, m.name from products p join manufacturers m on p.manuf... csc453 02-OCT...
select name, price*100 from products; csc453 02-OCT...
select name from products where price > 60 and price <120; csc453 02-OCT...
select * from products where price > 60 and price <120; csc453 02-OCT...
select name from products where price <= 200; csc453 02-OCT...
ents/CSC/453_DarabaseTechnologies/Assignments/Assignment1/Q3/C.sql
Modified
Unix/Mac: LF


SQL Worksheet
History
csc453
Worksheet
Query Builder
INSERT INTO products(code,name,price,manufacturer) VALUES(8,'Printer',270,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(9,'Toner cartridge',66,3);
INSERT INTO products(code,name,price,manufacturer) VALUES(10,'DVD burner',180,2);
--Computer Store Answers
--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;
--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;
--Q3 Select the name and price in cents (i.e., the price is in dollars).
select name, price*100 from products;
--Q4 Select the product name, price, and manufacturer name of all the products.
select p.name, p.price, m.name from products p join manufacturers m on p.manufacturer = m.code;
--Q5 Select all manufactures who currently do not have any listed products.
select name from manufacturers minus
(select m.name from manufacturers m, products p where p.manufacturer = m.code);
Script Output
Query Result
SQL
All Rows Fetched: 0 in 0.02 seconds
NAME
SQL History
Filter
SQL
Connect...
TimeSt...
select name from manufacturers minus (select m.name from manufacturers m, pr... csc453 02-OCT...
file:/Users/agnieszka/Documents/CSC/453_DarabaseTechnologies/Assignments/... csc453 02-OCT...
select m.name from manufacturers m, products p where p.manufacturer = m.code; csc453 02-OCT...
select p.name, p.price, m.name from products p join manufacturers m on p.manuf... csc453 02-OCT...
select name, price*100 from products; csc453 02-OCT...
ents/CSC/453_DarabaseTechnologies/Assignments/Assignment1/Q3/C.sql
Modified
Unix/Mac: LF

SQL Worksheet | History

csc453

Worksheet | Query Builder

```
--Q1 Select the names of the products with a price less than or equal to $200
select name from products where price <= 200;

--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;

--Q3 Select the name and price in cents (i.e., the price is in dollars).
select name, price*100 from products;

--Q4 Select the product name, price, and manufacturer name of all the products.
select p.name, p.price, m.name from products p join manufacturers m on p.manufacturer = m.code;

--Q5 Select all manufactures who currently do not have any listed products.
select name from manufacturers minus
(select m.name from manufacturers m, products p where p.manufacturer = m.code);

--Q6 Select the name of each manufacturer along with the name and price of its most expensive product.
select m.name, p.name, price from products p, manufacturers m where p.manufacturer = m.code and price >= all(
select price from products p2 where p2.manufacturer = p.manufacturer);
```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 7 in 0.051 seconds

	NAME	NAME_1	PRICE
1	Winchester	Memory	120
2	Sony	Monitor	240
3	Creative Labs	DVD drive	180
4	Creative Labs	DVD burner	180
5	Iomega	ZIP drive	150
6	Fujitsu	Hard drive	240
7	Hewlett-Packard	Printer	270

SQL History

Filt

SQL	Connect...	TimeSt...	Type	Executed	Duratio
select m.name, p.name, price from products p, manufacturers m where p.manufact...	csc453	02-OCT...	SQL	1	0.051
select m.name, p.name, p.price from products p, manufacturers m where p.manuf...	csc453	02-OCT...	SQL	2	0.018
select * from products p, manufacturers m where p.manufacturer = m.code and pr...	csc453	02-OCT...	SQL	1	0.027
select * from products p where price >= all(select price from products p2 where p...	csc453	02-OCT...	SQL	1	0.019
select code from products p where price >= all(select price from products p2 whe...	csc453	02-OCT...	SQL	1	0.02

nts/CSC/453 DarabaseTechnologies/Assignments/Assignment1/Q3/C.sql | Line 57 Column 71 | Insert | Modified | Unix/Mac: LF

SQL Worksheet History

csc453

Worksheet Query Builder

```
--Q2 Select all the products with a price between $60 and $120
select name from products where price > 60 and price <120;

--Q3 Select the name and price in cents (i.e., the price is in dollars).
select name, price*100 from products;

--Q4 Select the product name, price, and manufacturer name of all the products.
select p.name, p.price, m.name from products p join manufacturers m on p.manufacturer = m.code;

--Q5 Select all manufactures who currently do not have any listed products.
select name from manufacturers minus
(select m.name from manufacturers m, products p where p.manufacturer = m.code);

--Q6 Select the name of each manufacturer along with the name and price of its most expensive product.
select m.name, p.name, price from products p, manufacturers m where p.manufacturer = m.code and price >= all(
select price from products p2 where p2.manufacturer = p.manufacturer);

--Q7Select the names and average prices of manufacturer whose products have an average price larger than or equal to $150
select m.name as Manufacturer, avg(price) as average
from products p, manufacturers m where p.manufacturer = m.code group by m.name having avg(price) >= 150;
```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 5 in 0.017 seconds

	MANUFACTURER	AVERAGE
1	Sony	240
2	Fujitsu	240
3	Creative Labs	150
4	Iomega	150
5	Hewlett-Packard	168

SQL History

Filt

SQL	Connect...	TimeSt...	Type	Executed	Duratio
select m.name as Manufacturer, avg(price) as average from products p, manufactu...	csc453	02-OCT...	SQL	3	0.017
select m.code as manufacturer, avg(price) as average from products p, manufactu...	csc453	02-OCT...	SQL	1	0.046
file:/Users/agnieszka/Documents/CSC/453_DarabaseTechnologies/Assignments/...	csc453	02-OCT...	Script	22	0.0