Assignment 2
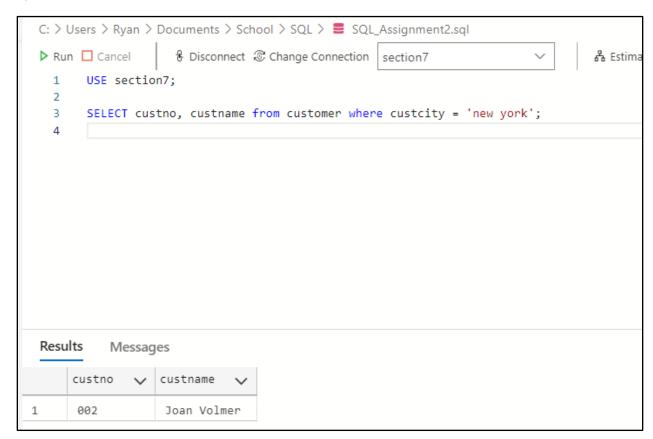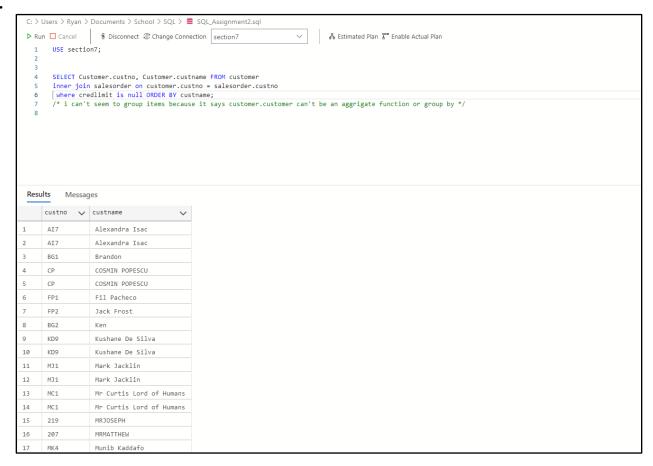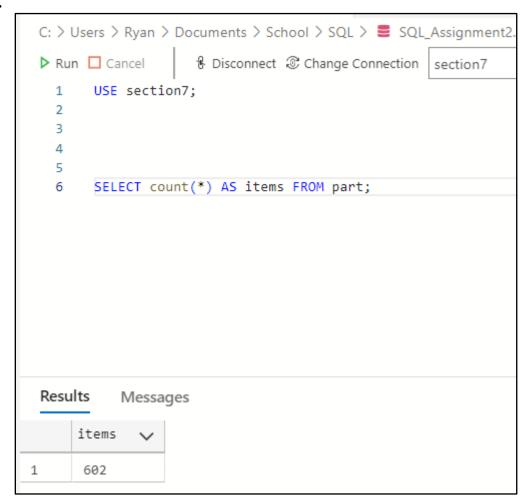
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DBAS20146

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March 31, 2023

1. SELECT * FROM part;
   SELECT * FROM salesrep;
   SELECT * FROM customer;
   SELECT * FROM salesorder;
   SELECT * FROM orderprod;
   SELECT * FROM invoice;
   SELECT * FROM invprod;
2.

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▷ Run ☐ Cancel | Disconnect ⟳ Change Connection | section7 ⌄ | 品 Estima

```
1    USE section7;
2
3    SELECT custno, custname from customer where custcity = 'new york';
4
```

Results   **Messages**

	custno ⌄	custname ⌄
1	002	Joan Volmer

3.

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▷ Run ☐ Cancel | ⑧ Disconnect ⑧ Change Connection [section7 ▾] | ⛁ Estimated Plan ⌐ Enable Actual Plan

```sql
1    USE section7;
2
3
4    SELECT Customer.custno, Customer.custname FROM customer
5    inner join salesorder on customer.custno = salesorder.custno
6    where credlimit is null ORDER BY custname;
7    /* i can't seem to group items because it says customer.customer can't be an aggrigate function or group by */
8
```

Results   Messages

	custno ⌄	custname ⌄
1	AI7	Alexandra Isac
2	AI7	Alexandra Isac
3	BG1	Brandon
4	CP	COSMIN POPESCU
5	CP	COSMIN POPESCU
6	FP1	Fil Pacheco
7	FP2	Jack Frost
8	BG2	Ken
9	KD9	Kushane De Silva
10	KD9	Kushane De Silva
11	MJ1	Mark Jacklin
12	MJ1	Mark Jacklin
13	MC1	Mr Curtis Lord of Humans
14	MC1	Mr Curtis Lord of Humans
15	219	MRJOSEPH
16	207	MRMATTHEW
17	MK4	Munib Kaddafo

4.

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```
1    USE section7;
2
3
4
5
6    SELECT MAX(unitprice) as 'max price' from part where partclass='hw'
7    SELECT MIN(unitprice) as 'min price' from part where partclass='hw'
8    SELECT AVG(unitprice) as 'average price' from part where partclass='hw'
```

Results **Messages**

	max price ⌄
1	9999.00

	min price ⌄
1	0.20

	average price ⌄
1	496.285525

5.

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▷ Run ☐ Cancel | ⅋ Disconnect ⓒ Change Connection | section7

```
1    USE section7;
2
3
4
5
6    SELECT count(*) AS items FROM part;
```

Results   Messages

	items ⌄
1	602

6.

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▷ Run ☐ Cancel | ⅄ Disconnect ⟳ Change Connection   section7

```
1    USE section7;
2
3
4
5    SELECT SUM(onhand) AS 'Total amount' FROM part;
```

Results   Messages

	Total amount ⌄
1	76928

7.

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▷ Run ☐ Cancel | ⅋ Disconnect ⟳ Change Connection | section7

```sql
1    USE section7;
2
3    SELECT AVG (orderprice) AS Average FROM orderprod
4    INNER JOIN salesorder ON orderprod.orderno = salesorder.orderno
5    INNER JOIN part ON orderprod.partno = part.partno
6    WHERE partclass = 'SP'
7    AND orderdate >= '2012-05-01' AND orderdate <='2015-09-30';
8
```

Results   Messages

	Average ⌄
1	4.000000

8.

```
C: > Users > Ryan > Documents > School > SQL > ▤ SQL_Assignment2.sql
▷ Run ☐ Cancel        ⚡ Disconnect  ⟳ Change Connection   section7          ⌄      ⛀ Estimated Plan
 1    USE section7;
 2
 3
 4
 5    SELECT  partdesc FROM part INNER JOIN orderprod on part.partno = orderprod.partno
 6    where orderprice is not null and (SELECT MIN(orderprice) FROM orderprod) = orderprice;
 7
 8
```

Results   **Messages**

	partdesc ⌄
1	Light Bulb
2	Part 1
3	bolt
4	Textpad

9.

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▷ Run ☐ Cancel | 🔗 Disconnect ♻ Change Connection | section7 ⌄ |

```sql
1    USE section7;
2
3
4
5    SELECT custname,custstreet,custcity,custprov
6    FROM customer WHERE custno NOT IN
7    (SELECT  customer.custno FROM customer
8    INNER JOIN salesorder ON customer.custno = salesorder.custno);
```

Results   Messages

	custname ⌄	custstreet ⌄	custcity ⌄	custprov ⌄
1	Gaurav	4973 Empire Crescent	Missisauga	ON
2	Monica	Bronte	Oakville	ON
3	Anita Caven	4 Forest	Guelph	ON
4	Egbert	Tidles	London	Ont
5	Jack Rabbit	321 Fake Street	Mississauga	ONT
6	NOAH FENCE	784 42ND STREET	TORONTO	ON
7	Jack	890 Blah Rd.	Toronto	ON
8	Devinder	44 MArkham St.	Brampton	ON
9	David Luu	47 Terry Fox Way	Mississauga	ONT
10	Kimmy Seaton	8 Bloor Street W	Toronto	ON
11	Kim B	Sushi Street	Montreal	QC
12	Sally Adams	481 Oak Street	Oakville	ON
13	Aayron Dyal	8 Big Sky Road	Brampton	ON
14	Jason Shwarts	Alpha Lane	Oakville	On
15	Sharin Sharma	87 Windmill Dr	Brampton	ON

10.

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```sql
1    USE section7;
2
3
4    SELECT distinct part.partno, partdesc, orderprice from part
5    inner join orderprod on part.partno = orderprod.partno
6    where left(partdesc,1) = 'c' or left(partdesc,1) = 'k';
```

Results   **Messages**

	partno ∨	partdesc ∨	orderprice ∨
1	1956	Keyboard	46.33
2	2999	Cheap	10.99
3	3118	Chair	29.99
4	372	Keychain	4.28
5	3733	Cherry	1000.00
6	4564	Kettle	24.99
7	4717	Chain Saw	160.00
8	4844	KNOB	45.50
9	8764	Kitchen Knife	99.99
10	8964	Cutting Board	2.99
11	AIp2	keyboard Control	900.00
12	AV22	Keyboard	2345.67

11.

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▷ Run ☐ Cancel | 🔌 Disconnect ℃ Change Connection   section7   ⌄ | 🗗 Estimated Plan ⚙ Enable Ac

```sql
1    USE section7;
2
3
4    SELECT distinct part.partno, partdesc, orderprice,salesorder.orderno,orderdate from part
5    inner join orderprod on part.partno = orderprod.partno
6    inner join salesorder on salesorder.orderno = orderprod.orderno
7    where left(partdesc,1) = 'c' or left(partdesc,1) = 'k';
```

Results   Messages

	partno ⌄	partdesc ⌄	orderprice ⌄	orderno ⌄	orderdate ⌄
1	CH1	Keyboard	64.00	1	2011-12-30
2	BS12	Copper	311.60	14235	2010-10-22
3	1956	Keyboard	46.33	22322	2010-08-02
4	372	Keychain	4.28	23223	2010-10-22
5	8964	Cutting Board	2.99	25014	2009-11-18
6	4717	Chain Saw	160.00	27442	2009-01-01
7	4564	Kettle	24.99	36673	2009-11-10
8	4844	KNOB	45.50	42374	2009-11-14
9	8764	Kitchen Knife	99.99	44669	2008-03-20
10	8764	Kitchen Knife	99.99	50316	2008-03-20
11	3118	Chair	29.99	58654	2009-09-30
12	2999	Cheap	10.99	60748	2009-11-10
13	4564	Kettle	24.99	60748	2009-11-10
14	3733	Cherry	1000.00	67437	2009-11-15
15	3733	Cherry	1000.00	600	2009-11-16

12.

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▷ Run ☐ Cancel | ⅄ Disconnect ℭ Change Connection [section7 ⌄] | ⤳ Estimated Plan ⟫ Enable Actual Plan

```
1    USE section7;
2
3    SELECT * FROM salesrep WHERE srepname like '[sh]%';
4
```

Results   Messages

	srepno ⌄	srepname ⌄	srepstreet ⌄	srepcity ⌄	srepprov ⌄	sreppcode ⌄	totcomm ⌄	commrate ⌄
1	SR5	HARRY POTTER	654 JUNEBUG BLVD	PINELAND	ONT	H5H5H5	3533.00	0.35
2	SRA	Sherlock Holmes	45 Englang Ave.	Guelph	ON	AV2345	234567.89	2.34

13.

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▷ Run ☐ Cancel | ⅄ Disconnect ℭ Change Connection [section7 ⌄]

```
1    USE section7;
2
3    SELECT SUM(orderprice) AS Sum FROM orderprod
4    INNER JOIN salesorder ON orderprod.orderno = salesorder.orderno
5    INNER JOIN customer ON salesorder.custno = customer.custno
6    WHERE custcity = 'Oakville';
7
```

Results   Messages

	Sum ⌄
1	61864.75

14.

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▷ Run ☐ Cancel　　　⚘ Disconnect ℭ Change Connection | section7 ⌄ |

```
1    USE section7;
2
3    SELECT partclass,MIN(unitprice) AS 'min' FROM PART GROUP BY partclass;
4
```

Results　**Messages**

	partclass ⌄	min ⌄
1	AP	0.34
2	HW	0.20
3	KI	0.12
4	SP	0.50