

Team 14
Connor Frunzi
Shashank Mondrati
Chris Parker
John Nguyen

In-class activity: MySQL views

General instructions:

This activity must be performed in assigned lightweight groups. You may refer to any material posted on Canvas or to the [MySQL tutorial](#) for syntax purposes.

Activity tasks:

You must execute all the queries using the “classicmodels” database that you have already imported and updated in the previous in-class activities.

(35 points) Create and update views

Create a new google document on the **UNCC** google drive for your solutions.

Important notes:

- Go to MySQL Workbench preferences -> SQL editor and **uncheck** the box that says “**Safe Updates...**”.
- For questions that require you to **create a view**, include:
 - your view definition;
 - a screenshot of the data in the view that gets created.
- For questions that require you to **update a view**, include:
 - your update statement;
 - a screenshot of the query/view with results;
 - if the view is not updatable, explicit reasons why that is so;

- screenshots of data in tables/views related to the update.
- All columns in any views that you create must be **named appropriately**, using renaming clauses if and when necessary.

1. **(4 points)** Create a view called [employee_info](#) that shows all employees.
2. **(4 points)** Create a view called [france_employee_info](#) that shows all employees who work in France.
3. **(4 points)** Create a view called [USA_employee_info](#) that shows all employees who work in France.
4. **(4 points)** Create a view called [boston_employee_info](#) that shows all employees who work in the Boston office.
5. **(4 points)** Create a view called [D_customer_info](#) that shows all customers where their names start with 'D'.
6. **(4 points)** Create a view called [usa_customer_info](#) that shows all customers who are not located in the USA.
7. **(4 points)** Create a view called [product_info](#) that product (s) whose buy price is in the range of \$20 and \$100.

Submission:

One member of each lightweight group must [download](#) a copy of the group's solution document and submit it via **Canvas**.

Question 1:

```
CREATE VIEW employee_info
AS SELECT *
FROM employees
WITH CHECK OPTION;
```

```
1 • DROP DATABASE IF EXISTS classicmodels;
2 • USE classicmodels;
3
4 #1
5 • DROP VIEW IF EXISTS employee_info;
6 • CREATE VIEW employee_info
7 AS SELECT *
8 FROM employees
9 WITH CHECK OPTION;
10
11 • SELECT * FROM employee_info;
```

Result Grid								
		Filter Rows:		Export:		Wrap Cell Content:		
	employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
▶	1002	Murphy	Diane	x5800	dmurphy@classicmodelcars.com	1	NULL	President
	1056	Patterson	Mary	x4611	mpatterso@classicmodelcars.com	1	1002	VP Sales
	1076	Firrelli	Jeff	x9273	jfirrelli@classicmodelcars.com	1	1002	VP Marketing
	1088	Patterson	William	x4871	wpatterson@classicmodelcars.com	6	1056	Sales Manager (APAC)
	1102	Bondur	Gerard	x5408	gbondur@classicmodelcars.com	4	1056	Sale Manager (EMEA)
	1143	Bow	Anthony	x5428	abow@classicmodelcars.com	1	1056	Sales Manager (NA)
	1165	Jennings	Leslie	x3291	ljennings@classicmodelcars.com	1	1143	Sales Rep
	1166	Thompson	Leslie	x4065	lthompson@classicmodelcars.com	1	1143	Sales Rep
	1188	Firrelli	Julie	x2173	jfirrelli@classicmodelcars.com	2	1143	Sales Rep
	1216	Patterson	Steve	x4334	spatterson@classicmodelcars.com	2	1143	Sales Rep
	1286	Tseng	Foon Yue	x2248	ftseng@classicmodelcars.com	3	1143	Sales Rep
	1323	Vanauf	George	x4102	gvanauf@classicmodelcars.com	3	1143	Sales Rep
	1337	Bondur	Loui	x6493	lbondur@classicmodelcars.com	4	1102	Sales Rep
	1370	Hernandez	Gerard	x2028	ghernande@classicmodelcars.com	4	1102	Sales Rep
	1401	Castillo	Pamela	x2759	pcastillo@classicmodelcars.com	4	1102	Sales Rep
	1501	Bott	Larry	x2311	lbott@classicmodelcars.com	7	1102	Sales Rep
	1504	Jones	Barry	x102	bjones@classicmodelcars.com	7	1102	Sales Rep
	1611	Fixter	Andy	x101	afixter@classicmodelcars.com	6	1088	Sales Rep
	1612	Marsh	Peter	x102	pmarsh@classicmodelcars.com	6	1088	Sales Rep
	1619	King	Tom	x103	tking@classicmodelcars.com	6	1088	Sales Rep
	1621	Nishi	Mami	x101	mnishi@classicmodelcars.com	5	1056	Sales Rep
	1625	Kato	Yoshimi	x102	ykato@classicmodelcars.com	5	1621	Sales Rep
	1702	Gerard	Martin	x2312	mgerard@classicmodelcars.com	4	1102	Sales Rep

Question 2:

```
CREATE VIEW france_employee_info
AS SELECT *
FROM employees
WHERE country = 'France'
WITH CHECK OPTION;
```

```
13 #2
14 • DROP VIEW IF EXISTS france_employee_info;
15 • CREATE VIEW france_employee_info
16 AS SELECT E.*
17 FROM employees E
18 INNER JOIN offices O ON E.officeCode = O.officeCode
19 WHERE country = 'France'
20 WITH CHECK OPTION;
```

Result Grid								
Filter Rows: <input type="text"/> Export: Wrap Cell Content:								
	employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
▶	1102	Bondur	Gerard	x5408	gbondur@classicmodelcars.com	4	1056	Sale Manager (EMEA)
	1337	Bondur	Loui	x6493	lbondur@classicmodelcars.com	4	1102	Sales Rep
	1370	Hernandez	Gerard	x2028	ghernande@classicmodelcars.com	4	1102	Sales Rep
	1401	Castillo	Pamela	x2759	pcastillo@classicmodelcars.com	4	1102	Sales Rep
	1702	Gerard	Martin	x2312	mgerard@classicmodelcars.com	4	1102	Sales Rep

Question 3:

```
CREATE VIEW USA_employee_info
AS SELECT *
FROM employees
WHERE country = 'USA'
WITH CHECK OPTION;
```





```
24 #3
25 • DROP VIEW IF EXISTS USA_employee_info;
26 • CREATE VIEW USA_employee_info
27 AS SELECT E.*
28 FROM employees E
29 INNER JOIN offices O ON E.officeCode = O.officeCode
30 WHERE country = 'USA'
31 WITH CHECK OPTION;
32
33 • SELECT * FROM USA_employee_info;
34
```

Result Grid								
Filter Rows: <input type="text"/> Export: Wrap Cell Content:								
	employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
▶	1002	Murphy	Diane	x5800	dmurphy@classicmodelcars.com	1	NULL	President
	1056	Patterson	Mary	x4611	mpatterso@classicmodelcars.com	1	1002	VP Sales
	1076	Firrelli	Jeff	x9273	jfirrelli@classicmodelcars.com	1	1002	VP Marketing
	1143	Bow	Anthony	x5428	abow@classicmodelcars.com	1	1056	Sales Manager (NA)
	1165	Jennings	Leslie	x3291	ljennings@classicmodelcars.com	1	1143	Sales Rep
	1166	Thompson	Leslie	x4065	lthompson@classicmodelcars.com	1	1143	Sales Rep
	1188	Firrelli	Julie	x2173	jfirrelli@classicmodelcars.com	2	1143	Sales Rep
	1216	Patterson	Steve	x4334	spatterson@classicmodelcars.com	2	1143	Sales Rep
	1286	Tseng	Foon Yue	x2248	ftseng@classicmodelcars.com	3	1143	Sales Rep
	1323	Vanauf	George	x4102	gvanauf@classicmodelcars.com	3	1143	Sales Rep

Question 4:

```
CREATE VIEW boston_employee_info
AS SELECT *
FROM employees
WHERE city = 'Boston'
WITH CHECK OPTION;
```

```
35      #4
36 •    DROP VIEW IF EXISTS boston_employee_info;
37 •    CREATE VIEW boston_employee_info
38      AS SELECT E.*
39      FROM employees E
40      INNER JOIN offices O ON E.officeCode = O.officeCode
41      WHERE city = 'Boston'
42      WITH CHECK OPTION;
43
44 •    SELECT * FROM boston_employee_info;
45
46      #5
```

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 								
	employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
▶	1188	Firrelli	Julie	x2173	jfirrelli@classicmodelcars.com	2	1143	Sales Rep
	1216	Patterson	Steve	x4334	spatterson@classicmodelcars.com	2	1143	Sales Rep

Question 5:

```
CREATE VIEW D_customer_info
AS SELECT *
FROM customers
WHERE customerName LIKE 'D%'
WITH CHECK OPTION;
```

```
46 #5
47 DROP VIEW IF EXISTS D_customer_info;
48 CREATE VIEW D_customer_info
49 AS SELECT *
50 FROM customers
51 WHERE customerName LIKE 'D%'
52 WITH CHECK OPTION;
53
54 SELECT * FROM D_customer_info;
55
```

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit
145	Danish Wholesale Imports	Petersen	Jytte	31 12 3555	Vindhøjlet 34		København		1734	Denmark	1401	83400.00
148	Dragon Souvenirs, Ltd.	Natividad	Eric	+65 221 7555	Bronz Sok.	Bronz Apt. 3/6 Tesvikiye	Singapore		079903	Singapore	1621	103800.00
157	Diecast Classics Inc.	Leong	Kelvin	2155551555	7586 Pompton St.		Allentown	PA	70267	USA	1216	100600.00
171	Daedalus Designs Imports	Rancière	Martine	20.16.1555	184, chaussée de Tournai		Lille		59000	France	1370	82900.00
307	Der Hund Imports	Andersen	Mel	030-0074555	Obere Str. 57		Berlin		12209	Germany		0.00
323	Down Under Souvenirs, Inc	Graham	Mike	+64 9 312 5555	162-164 Grafton Road	Level 2	Auckland			New Zealand	1612	88000.00
489	Double Decker Gift Stores, Ltd	Smith	Thomas	(171) 555-7555	120 Hanover Sq.		London		WA1 1DP	UK	1501	43300.00
495	Diecast Collectables	Franco	Valarie	6175552555	6251 Ingle Ln.		Boston	MA	51003	USA	1188	85100.00

Question 6:

```
CREATE VIEW usa_customer_info
AS SELECT *
FROM customers
WHERE country NOT IN 'USA'
WITH CHECK OPTION;
```

```

56 #6
57 • DROP VIEW IF EXISTS usa_customer_info;
58 • CREATE VIEW usa_customer_info
59 AS SELECT *
60 FROM customers
61 WHERE country NOT IN ('USA')
62 WITH CHECK OPTION;
63
64 • SELECT * FROM usa_customer_info;

```

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit
103	Atelier graphique	Schmitt	Carine	40.32.2555	54, rue Royale		Nantes		44000	France	1370	21000.00
114	Australian Collectors, Co.	Ferguson	Peter	03 9520 4555	636 St Kilda Road	Level 3	Melbourne	Victoria	3004	Australia	1611	117300.00
119	La Rochelle Gifts	Labrun	Janine	40.67.8555	67, rue des Cinquante Otages		Nantes		44000	France	1370	118200.00
121	Baane Mini Imports	Bergulfen	Jonas	07-98 9555	Erling Skakkes gate 78		Stavern		4110	Norway	1504	81700.00
125	Havel & Zbyszek Co	Piestrzeniewicz	Zbyszek	(26) 642-7555	ul. Filrowa 68		Warszawa		01-012	Poland		0.00
128	Blauer See Auto, Co.	Keitel	Roland	+49 69 66 90 2555	Lyonerstr. 34		Frankfurt		60528	Germany	1504	59700.00
141	Euro+ Shopping Channel	Freyre	Diego	(91) 555 94 44	C/ Moralzarzal, 86		Madrid		28034	Spain	1370	227600.00
144	Yoho Model Replicas, Co	Berglund	Christina	0921-12 3555	Berguvsvägen 8		Luleå		S-958 22	Sweden	1504	53100.00
145	Danish Wholesale Imports	Petersen	Jytte	31 12 3555	Vindhåttet 34		Copenhagen		1734	Denmark	1401	83400.00
146	Savile & Henriot, Co.	Savile	Mary	78.32.5555	2, rue du Commerce		Lyon		69004	France	1337	123900.00
148	Dragon Souvenirs, Ltd.	Natvidad	Eric	+65 221 7555	Bronz Sok.	Bronz Apt. 3...	Singapore		079903	Singapore	1621	103800.00
166	Handi Gifts& Co	Victorino	Wendy	+65 224 1555	106 Linden Road Sandown	2nd Floor	Singapore		069045	Singapore	1612	97900.00
167	Henku Gifts	Oectan	Veynel	+47 2267 3215	Brehmen St. 121	PR 334 Sent...	Bergen		N 5804	Norway	1504	96800.00
169	Porto Imports Co.	de Castro	Isabel	(1) 356-5555	Estrada da saãde n. 58		Lisboa		1756	Portugal		0.00
171	Daedalus Designs Imports	Rancik	Martine	20.16.1555	184, chaussée de Tournai		Lille		59000	France	1370	82900.00
172	La Corne D'abondance, Co.	Bertrand	Marie	(1) 42.34.2555	265, boulevard Charonne		Paris		75012	France	1337	84300.00
177	Osaka Souvenirs Co.	Kentary	Mory	+81 06 6342 5555	1-6-20 Dojima		Kita-ku	Osaka	530-0003	Japan	1621	81200.00
186	Toys of Finland, Co.	Karttunen	Matti	90-224 8555	Keskuskatu 45		Helsinki		21240	Finland	1501	96500.00
187	AV Stores, Co.	Asdworth	Rachel	(171) 555-1555	Fauntleroy Circus		Manchester		EC2 5NT	UK	1501	136000.00
189	Clover Collections, Co.	Cassidy	Dean	+353 1862 1555	25 Maiden Lane	Floor No. 4	Dublin		2	Ireland	1504	69400.00
201	UK Collectables, Ltd.	Devon	Elizabeth	(171) 555-2282	12, Berkeley Gardens Blvd		Liverpool		WX1 6LT	UK	1501	92700.00
202	Canadian Gift Exchange ...	Tamuri	Yoshi	(604) 555-3392	1900 Oak St.		Vancouver	BC	V3F 2K1	Canada	1323	90300.00
206	Asian Shopping Network,...	Walker	Brydley	+612 9411 1555	Suntec Tower Three	8 Temasek	Singapore		038988	Singapore		0.00
209	Mini Caravay	Citeaux	Frédérique	88.60.1555	24, place Kléber		Strasbourg		67000	France	1370	53800.00
211	King Kong Collectables, Co.	Gao	Mike	+852 2251 1555	Bank of China Tower	1 Garden Road	Central Ho...			Hong Kong	1621	58600.00
216	Enaco Distributors	Saavedra	Eduardo	(93) 203 4555	Rambla de Cataluña, 23		Barcelona		08022	Spain	1702	60300.00

Question 7:

```

CREATE VIEW product_info
AS SELECT *
FROM products
WHERE buyPrice BETWEEN 20 AND 100
WITH CHECK OPTION;

```

```

66 #7
67 • DROP VIEW IF EXISTS product_info;
68 • CREATE VIEW product_info
69 AS SELECT *
70 FROM products
71 WHERE buyPrice BETWEEN 20 AND 100
72 WITH CHECK OPTION;
73
74 • SELECT * FROM product_info;

```

productCode	productName	productLine	productScale	productVendor	productDescription	quantityInStock	buyPrice	MSRP
S10_1678	1969 Harley Davidson Ultimate Chopper	Motorcycles	1:10	Min Lin Diecast	This replica features working kickstand, front su...	7933	48.81	95.70
S10_1949	1952 Alpine Renault 1300	Classic Cars	1:10	Classic Metal Creations	Turnable front wheels; steering function; detail...	7305	98.58	214.30
S10_2016	1996 Moto Guzzi 1100	Motorcycles	1:10	Highway 66 Mini Classics	Official Moto Guzzi logos and insignias, saddle b...	6625	68.99	118.94
S10_4698	2003 Harley-Davidson Eagle Drag Bike	Motorcycles	1:10	Red Start Diecast	Model features, official Harley Davidson logos a...	5582	91.02	193.66
S10_4757	1972 Alfa Romeo GTA	Classic Cars	1:10	Motor City Art Classics	Features include: Turnable front wheels; steeri...	3252	85.68	136.00
S12_1099	1968 Ford Mustang	Classic Cars	1:12	Autoart Studio Design	Hood, doors and trunk all open to reveal highly ...	68	95.34	194.57
S12_1108	2001 Ferrari Enzo	Classic Cars	1:12	Second Gear Diecast	Turnable front wheels; steering function; detail...	3619	95.59	207.80
S12_1666	1958 Setra Bus	Trucks and Buses	1:12	Welly Diecast Productions	Model features 30 windows, skylights & glare re...	1579	77.90	136.67
S12_2823	2002 Suzuki XREO	Motorcycles	1:12	Unimax Art Galleries	Official logos and insignias, saddle bags located ...	9997	66.27	150.62
S12_3148	1969 Corvair Monza	Classic Cars	1:18	Welly Diecast Productions	1:18 scale die-cast about 10" long doors open, ...	6906	89.14	151.08
S12_3380	1968 Dodge Charger	Classic Cars	1:12	Welly Diecast Productions	1:12 scale model of a 1968 Dodge Charger. Ho...	9123	75.16	117.44
S12_3891	1969 Ford Falcon	Classic Cars	1:12	Second Gear Diecast	Turnable front wheels; steering function; detail...	1049	83.05	173.02
S12_3990	1970 Plymouth Hemi Cuda	Classic Cars	1:12	Studio M Art Models	Very detailed 1970 Plymouth Cuda model in 1:1...	5663	31.92	79.80
S12_4473	1957 Chevy Pickup	Trucks and Buses	1:12	Exoto Designs	1:12 scale die-cast about 20" long Hood opens, ...	6125	55.70	118.50
S12_4675	1969 Dodge Charger	Classic Cars	1:12	Welly Diecast Productions	Detailed model of the 1969 Dodge Charger. Thi...	7323	58.73	115.16
S18_1097	1940 Ford Pickup Truck	Trucks and Buses	1:18	Studio M Art Models	This model features soft rubber tires, working s...	2613	58.33	116.67
S18_1129	1993 Mazda RX-7	Classic Cars	1:18	Highway 66 Mini Classics	This model features, opening hood, opening do...	3975	83.51	141.54
S18_1342	1937 Lincoln Berline	Vintage Cars	1:18	Motor City Art Classics	Features opening engine cover, doors, trunk, a...	8693	60.62	102.74
S18_1367	1936 Mercedes-Benz 500K Special Roa...	Vintage Cars	1:18	Studio M Art Models	This 1:18 scale replica is constructed of heavy d...	8635	24.26	53.91
S18_1589	1965 Aston Martin DB5	Classic Cars	1:18	Classic Metal Creations	Die-cast model of the silver 1965 Aston Martin ...	9042	65.96	124.44
S18_1662	1980s Black Hawk Helicopter	Planes	1:18	Red Start Diecast	1:18 scale replica of actual Army's UH-60L BLAC...	5330	77.27	157.69
S18_1749	1917 Grand Touring Sedan	Vintage Cars	1:18	Welly Diecast Productions	This 1:18 scale replica of the 1917 Grand Tourin...	2724	86.70	170.00
S18_1889	1948 Porsche 356-A Roadster	Classic Cars	1:18	Gearbox Collectibles	This precision die-cast replica features opening ...	8826	53.90	77.00
S18_1984	1995 Honda Civic	Classic Cars	1:18	Min Lin Diecast	This model features, opening hood, opening do...	9772	93.89	142.25
S18_2248	1911 Ford Town Car	Vintage Cars	1:18	Motor City Art Classics	Features opening hood, opening doors, openin...	540	33.30	60.54
S18_2319	1964 Mercedes Tour Bus	Trucks and Buses	1:18	Unimax Art Galleries	Exact replica. 100+ parts. working steering sys...	8258	74.86	122.73