

Assignment 5

1. จงเขียนคำสั่งเพื่อดึงข้อมูลทุกคอลัมน์จากตาราง city

The screenshot shows the MySQL Workbench interface with a query editor and a result grid.

Query Editor:

```
1 • | SELECT * FROM world.city;
```

Result Grid:

	ID	Name	CountryCode	District	Population
▶	1	Kabul	AFG	Kabul	1780000
	2	Qandahar	AFG	Qandahar	237500
	3	Herat	AFG	Herat	186800
	4	Mazar-e-Sharif	AFG	Balkh	127800
	5	Amsterdam	NLD	Noord-Holland	731200
	6	Rotterdam	NLD	Zuid-Holland	593321
	7	Haag	NLD	Zuid-Holland	440900
	8	Utrecht	NLD	Utrecht	234323
	9	Eindhoven	NLD	Noord-Brabant	201843
	10	Tilburg	NLD	Noord-Brabant	193238
	11	Groningen	NLD	Groningen	172701
	12	Breda	NLD	Noord-Brabant	160398
	13	Apeldoorn	NLD	Gelderland	153491
	14	Nijmegen	NLD	Gelderland	152463
	15	Enschede	NLD	Overijssel	149544
	16	Haarlem	NLD	Noord-Holland	148772
	17	Almere	NLD	Flevoland	142465
	18	Arnhem	NLD	Gelderland	138020
	19	Zaanstad	NLD	Noord-Holland	135621
	20	's-Hertogenb...	NLD	Noord-Brabant	129170
	21	Amersfoort	NLD	Utrecht	126270

2. จงแสดงรายชื่อเมือง (Name) และเขตการปกครอง (District) ของทุกเมือง

Query 1 city x

1 ✘ SELECT NAME,DISTRICT FROM world.city;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	NAME	DISTRICT
▶	Kabul	Kabol
	Qandahar	Qandahar
	Herat	Herat
	Mazar-e-Sharif	Balkh
	Amsterdam	Noord-Holland
	Rotterdam	Zuid-Holland
	Haag	Zuid-Holland
	Utrecht	Utrecht
	Eindhoven	Noord-Brabant
	Tilburg	Noord-Brabant
	Groningen	Groningen
	Breda	Noord-Brabant
	Apeldoorn	Gelderland
	Nijmegen	Gelderland
	Enschede	Overijssel
	Haarlem	Noord-Holland
	Almere	Flevoland
	Arnhem	Gelderland
	Zaanstad	Noord-Holland
	's-Hertogenb...	Noord-Brabant
	Amersfoort	Utrecht

city 2 x

Output

3. ຈົນທາຊື່ຂອງເມືອງທີ່ຄູ່ໃນກະຊວງຈະເທິຣ (CountryCode) ເປັນ 'THA'

The screenshot shows the MySQL Workbench interface with a query editor and a results grid.

Query Editor:

```
Query 1      city      city      x
SELECT name,CountryCode FROM world.city where CountryCode="THA";
```

Result Grid:

	name	CountryCode
▶	Bangkok	THA
	Nonthaburi	THA
	Nakhon Ratchasima	THA
	Chiang Mai	THA
	Udon Thani	THA
	Hat Yai	THA
	Khon Kaen	THA
	Pak Kret	THA
	Nakhon Sawan	THA
	Ubon Ratchathani	THA
	Songkhla	THA
	Nakhon Pathom	THA

4. จงหาเมืองที่มีจำนวนประชากร (Population) มากกว่า 1,000,000 คน

Query 1 city city city x

File New Open Save Print Help Limit to 1000 rows Filter Find Replace

1 • SELECT NAME,POPULATION FROM world.city where Population>1000000;

Result Grid | Filter Rows: Export: Wrap Cell Content:

	NAME	POPULATION
▶	Kabul	1780000
	Alger	2168000
	Luanda	2022000
	Buenos Aires	2982146
	La Matanza	1266461
	Córdoba	1157507
	Yerevan	1248700
	Sydney	3276207
	Melbourne	2865329
	Brisbane	1291117
	Perth	1096829
	Baku	1787800
	Dhaka	3612850
	Chittagong	1392860
	São Paulo	9968485
	Rio de Janeiro	5598953
	Salvador	2302832
	Belo Horizonte	2139125
	Fortaleza	2097757
	Brasília	1969868
	Gwadar	1504722

city 2 x

5. จงหาเมืองในรหัสประเทศ (CountryCode) เป็น 'BEL' และที่มีจำนวนประชากร (Population) มากกว่า 2,000,000 คน

The screenshot shows the MySQL Workbench interface with a query editor and a results grid.

Query Editor:

```
1 •  SELECT *FROM world.city WHERE CountryCode = 'BEL' AND Population > 2000000;
```

Results Grid:

	ID	Name	CountryCode	District	Population
*	NULL	NULL	NULL	NULL	NULL

6. จงแสดงชื่อประเทศ (Name) และทวีป (Continent) ของทุกประเทศ

Query 1 city city city city x

1 • SELECT Name, Continent FROM Country;

2

Result Grid | Filter Rows: Export: Wrap Cell Content

	Name	Continent
▶	Aruba	North America
	Afghanistan	Asia
	Angola	Africa
	Anguilla	North America
	Albania	Europe
	Andorra	Europe
	Netherlands Antilles	North America
	United Arab Emirates	Asia
	Argentina	South America
	Armenia	Asia
	American Samoa	Oceania
	Antarctica	Antarctica
	French Southern ter...	Antarctica
	Antigua and Barbuda	North America
	Australia	Oceania
	Austria	Europe
	Azerbaijan	Asia
	Burundi	Africa
	Belgium	Europe
	Benin	Africa
	Bulgaria	Europe
	Burkina Faso	Africa

7. จงหาข้อมูลของประเทศที่ตั้งอยู่ในทวีป 'Asia'

Query 1 city city city city

```
1 •  SELECT *FROM Country WHERE Continent = 'Asia';
2
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GDP	GNIpcd	LocalName	GovernmentForm	HeadOfState	Capital	Code
AFG	Afghanistan	Asia	Southern and Central Asia	652090.00	1919	22720000	45.9	5976.00	1000	Afghanistan/Afghanestan	Islamic Emirate	Mohammad Omar	1	AF
ARE	United Arab Emirates	Asia	Middle East	83600.00	1971	2441000	74.1	37966.00	36846.00	Al-Imarat al-`Arabiya al-Muttaahida	Emirate Federation	Zayid bin Sultan al-Nahayan	65	AE
ARM	Armenia	Asia	Middle East	29800.00	1991	3520000	66.4	1813.00	1627.00	Hajastan	Republic	Robert Kocharjan	126	AM
AZE	Azerbaijan	Asia	Middle East	86600.00	1991	7734000	62.9	4127.00	4100.00	Azərbaycan	Federal Republic	Heydər Aliyev	144	AZ
BGD	Bangladesh	Asia	Southern and Central Asia	143998.00	1971	129155000	60.2	32852.00	31966.00	Bangladesh	Republic	Shahabuddin Ahmed	150	BD
BHR	Bahrain	Asia	Middle East	694.00	1971	617000	73.0	6366.00	6097.00	Al-Bahrayn	Monarchy (Emirate)	Hamad bin Isa al-Khalifa	149	BH
BRN	Brunei	Asia	Southeast Asia	5765.00	1984	328000	73.6	11705.00	12460.00	Brunei Darussalam	Monarchy (Sultanate)	Haji Hassan al-Bolkiah	538	BN
BTN	Bhutan	Asia	Southern and Central Asia	47000.00	1910	2124000	52.4	372.00	383.00	Druk-Yul	Monarchy	Jigme Singye Wangchuk	192	BT
CHN	China	Asia	Eastern Asia	9572900.00	-1523	1277558000	71.4	98268.00	917719.00	Zhongguo	People's Republic	Jiang Zemin	1891	CN
CYP	Cyprus	Asia	Middle East	9251.00	1960	754700	76.7	9333.00	8246.00	Kypros/Kibris	Republic	Gülfos Kerkides	2430	CY
GEO	Georgia	Asia	Middle East	69700.00	1991	4968000	64.5	6064.00	5924.00	Sakartvelo	Republic	Eduard Ševardnadze	905	GE
HKG	Hong Kong	Asia	Eastern Asia	1075.00	1991	6782000	79.5	166498.00	173610.00	Xianggang/Hong Kong	Special Administrativ...	Jiang Zemin	937	HK
IDN	Indonesia	Asia	Southeast Asia	1904569.00	1945	212107000	68.0	84962.00	215002.00	Indonesia	Republic	Abdurrahman Wahid	939	ID
IND	India	Asia	Southern and Central Asia	3287263.00	1947	1013662000	62.5	447114.00	430572.00	Bharat/India	Federal Republic	Kocheril Ramam Narayanan	1109	IN
IRN	Iran	Asia	Southern and Central Asia	1648195.00	1906	67702000	69.7	195746.00	160151.00	Iran	Islamic Republic	Ali Mohammad Khatami-Ard...	1380	IR
IRQ	Iraq	Asia	Middle East	438317.00	1932	23115000	66.5	11500.00	10000	Al-'Iraq	Republic	Saddam Hussein al-Takriti	1365	IQ
ISR	Israel	Asia	Middle East	21056.00	1948	6217000	78.6	97477.00	98577.00	Yisra'el/Isra'il	Republic	Moshe Katzav	1450	IL
JOR	Jordan	Asia	Middle East	88946.00	1946	5083000	77.4	7526.00	7051.00	Al-Urdunn	Constitutional Monar...	Abdullah II	1786	JO
JPN	Japan	Asia	Eastern Asia	377829.00	-660	126714000	80.7	3787042.00	4192638.00	Nihon/Nippon	Constitutional Monar...	Akihito	1532	JP
VNM	Vietnam	Asia	Southern and Central Asia	3773000.00	1991	16222000	65.2	23275.00	22822.00	Vietnam	Republik	Ngo Dinh Diem	1861	VN

8. จงหาชื่อประเทศที่อยู่ในภูมิภาค (Region) 'Southeast Asia' และมีประชากรมากกว่า 50 ล้านคน

Query 1 city city city city

```
1 •  SELECT Name,region,population FROM Country WHERE Region = 'Southeast Asia' AND Population > 50000000;
2
```

Result Grid | Filter Rows: | Edit: | Export: | Wrap Cell Content: |

	Name	region	population
▶	Indonesia	Southeast Asia	212107000
	Philippines	Southeast Asia	75967000
	Thailand	Southeast Asia	61399000
	Vietnam	Southeast Asia	79832000

9. จงหาชื่อประเทศที่มีอายุขัยเฉลี่ย (LifeExpectancy) ตั้งแต่ 80 ปี

The screenshot shows a MySQL Workbench interface. At the top, there are tabs labeled 'Query 1', 'city', 'city', 'city', and 'city'. Below the tabs is a toolbar with various icons. A query window contains the following SQL code:

```
1 •  SELECT Name,lifeExpectancy FROM Country WHERE LifeExpectancy > 80;
```

Below the query window is a results grid titled 'Result Grid' with the following data:

	Name	lifeExpectancy
▶	Andorra	83.5
	Japan	80.7
	Macao	81.6
	Singapore	80.1
	San Marino	81.1

10. จงหาชื่อประเทศที่ไม่มีข้อมูลปีที่ได้รับเอกราช (IndepYear เป็น NULL)

The screenshot shows a MySQL Workbench interface with a query editor and a results grid. The query editor contains the following SQL code:

```
1 •  SELECT Name,IndepYear FROM Country WHERE IndepYear IS NULL;
```

The results grid displays the names of countries where the independence year is null. The columns are labeled "Name" and "IndepYear".

Name	IndepYear
Aruba	NULL
Anguilla	NULL
Netherlands Antilles	NULL
American Samoa	NULL
Antarctica	NULL
French Southern territories	NULL
Bermuda	NULL
Bouvet Island	NULL
Cocos (Keeling) Islands	NULL
Cook Islands	NULL
Christmas Island	NULL
Cayman Islands	NULL
Western Sahara	NULL
Falkland Islands	NULL
Faroe Islands	NULL
Gibraltar	NULL
Guadeloupe	NULL
Greenland	NULL
French Guiana	NULL
Guam	NULL
Hong Kong	NULL

11. จงหาชื่อประเทศที่มีค่า GNP ในปัจจุบันมากกว่าค่า GNP เก่า (GNPOld)

The screenshot shows a MySQL Workbench interface with a query editor and a result grid.

Query Editor:

```
1 •  SELECT Name, GNP, GNPOld FROM Country WHERE GNP > GNPOld;
2
```

Result Grid:

	Name	GNP	GNPOld
▶	Aruba	828.00	793.00
	Albania	3205.00	2500.00
	United Arab Emirates	37966.00	36846.00
	Argentina	340238.00	323310.00
	Armenia	1813.00	1627.00
	Antigua and Barbuda	612.00	584.00
	Austria	211860.00	206025.00
	Azerbaijan	4127.00	4100.00
	Belgium	249704.00	243948.00
	Benin	2357.00	2141.00
	Burkina Faso	2425.00	2201.00
	Bangladesh	32852.00	31966.00
	Bulgaria	12178.00	10169.00
	Bahrain	6366.00	6097.00
	Bahamas	3527.00	3347.00
	Belize	630.00	616.00
	Bermuda	2328.00	2190.00
	Bolivia	8571.00	7967.00
	Barbados	2223.00	2186.00
	Central African Rep...	1054.00	993.00
	Switzerland	754479.00	755002.00

12. ຈົນແສດງການພາ (Language) ທີ່ມີໃຫຍ່ໃນລາຍກັບປະເທດ 'USA'

The screenshot shows a MySQL Workbench interface. At the top, there are tabs labeled 'Query 1', 'city', 'city', 'city', 'city', and 'city'. Below the tabs is a toolbar with various icons. A search bar contains the text 'Limit to 1000 rows'. The main area displays a SQL query:

```
1 •    SELECT Language, countrycode FROM CountryLanguage WHERE CountryCode = 'USA';
2
```

Below the query, the results are shown in a 'Result Grid' table:

	Language	countrycode
▶	Chinese	USA
	English	USA
	French	USA
	German	USA
	Italian	USA
	Japanese	USA
	Korean	USA
	Polish	USA
	Portuguese	USA
	Spanish	USA
	Tagalog	USA
	Vietnamese	USA

13. จงหาภาษาที่เป็นภาษาทางการ (`IsOfficial = 'T'`)

The screenshot shows a MySQL Workbench interface with two tabs: 'Query 1' and 'city'. The 'Query 1' tab contains the following SQL code:

```
1 •  SELECT *FROM CountryLanguage WHERE IsOfficial = 'T';  
2
```

The results are displayed in a 'Result Grid' table:

CountryCode	Language	IsOfficial	Percentage
ABW	Dutch	T	5.3
AFG	Dari	T	32.1
AFG	Pashto	T	52.4
AIA	English	T	0.0
ALB	Albaniana	T	97.9
AND	Catalan	T	32.3
ANT	Dutch	T	0.0
ANT	Papiamento	T	86.2
ARE	Arabic	T	42.0
ARG	Spanish	T	96.8
ARM	Armenian	T	93.4
ASM	English	T	3.1
ASM	Samoan	T	90.6
ATG	English	T	0.0
AUS	English	T	81.2
AUT	German	T	92.0
AZE	Azerbaijani	T	89.0
BDI	French	T	0.0
BDI	Kirundi	T	98.1
BEL	Dutch	T	59.2
COL	French	T	22.6

14. จงหาภาษาที่มีสัดส่วนกำรใช้ (Percentage)มากกว่า 50% ขึ้นไป

Query 1 city city city city city x

File Edit New Open Save Print Refresh Help Limit to 1000 rows Favorites Search Find Filter

1 • SELECT *FROM CountryLanguage WHERE Percentage > 50;

2

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content

	CountryCode	Language	IsOfficial	Percentage
▶	ABW	Papiamento	F	76.7
	AFG	Pashto	T	52.4
	ALB	Albaniana	T	97.9
	ANT	Papiamento	T	86.2
	ARG	Spanish	T	96.8
	ARM	Armenian	T	93.4
	ASM	Samoan	T	90.6
	ATG	Creole English	F	95.7
	AUS	English	T	81.2
	AUT	German	T	92.0
	AZE	Azerbaijani	T	89.0
	BDI	Kirundi	T	98.1
	BEL	Dutch	T	59.2
	BFA	Mossi	F	50.2
	BGD	Bengali	T	97.7
	BGR	Bulgariana	T	83.2
	BHR	Arabic	T	67.7
	BHS	Creole English	F	89.7
	BIH	Serbo-Croatian	T	99.2
	BLR	Belorussian	T	65.6
▶	COL	English	T	50.0

CountryLanguage 17 x

15. จงหาภาษาที่ไม่ใช่ภาษาทางการ (`IsOfficial = 'F'`) และมีสัดส่วนการใช้มากกว่า 30%

The screenshot shows a database query interface with the following details:

Query 1

city city city city

File | Refresh | Save | Find | Replace | Undo | Redo | Limit to 1000 rows | Filter | Print | Copy | Paste | Wrap Cell Content:

1 • `SELECT * FROM CountryLanguage WHERE IsOfficial = 'F' AND Percentage > 30;`

2

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	CountryCode	Language	IsOfficial	Percentage
▶	ABW	Papiamento	F	76.7
	AGO	Ovimbundu	F	37.2
	AND	Spanish	F	44.6
	ATG	Creole English	F	95.7
	BEN	Fon	F	39.8
	BFA	Mossi	F	50.2
	BHS	Creole English	F	89.7
	BLZ	Spanish	F	31.6
	BRB	Bajan	F	95.1
	BTN	Nepali	F	34.8
	BWA	Tswana	F	75.5
	COG	Kongo	F	51.5
	CPV	Crioulo	F	100.0
	DJI	Afar	F	34.8
	DJI	Somali	F	43.9
	DMA	Creole English	F	100.0
	ERI	Tigre	F	31.7
	ETH	Oromo	F	31.0
	FJI	Hindi	F	43.7
	FSM	Trukese	F	41.6
	GAB	Espaa	F	22.0

CountryLanguage 18 ×