

Week 9

Thanh Minh

Task 1

1.

```
[VM s103809048@ictstudev1 ~]$ mysql
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 4149
Server version: 5.5.68-MariaDB MariaDB Server

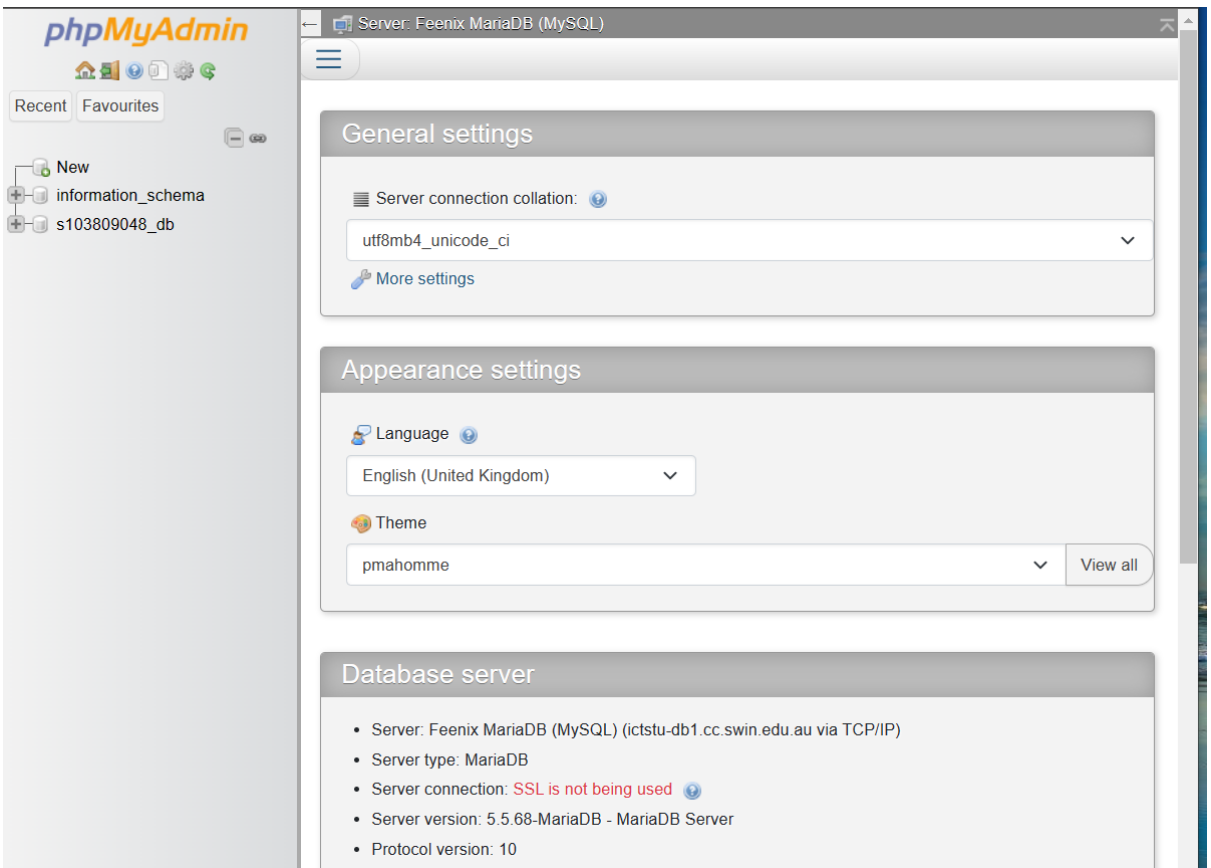
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> mysql -u bit1234 -P 3305 -h hostname -p
```
2.

```
MariaDB [(none)]> use s103809048_db;
Database changed
MariaDB [s103809048_db]> set password=PASSWORD('se7en');
Query OK, 0 rows affected (0.00 sec)
```

Task 2

1. The screenshot shows the phpMyAdmin web interface. On the left is a sidebar with navigation links: 'Recent', 'Favourites', 'New', 'information_schema', and 's103809048_db'. The main content area is titled 'Server: Feenix MariaDB (MySQL)' and contains three sections: 'General settings' with a dropdown for 'Server connection collation' set to 'utf8mb4_unicode_ci'; 'Appearance settings' with a dropdown for 'Language' set to 'English (United Kingdom)' and a dropdown for 'Theme' set to 'pmahomme'; and 'Database server' which lists server details: 'Server: Feenix MariaDB (MySQL) (ictstu-db1.cc.swin.edu.au via TCP/IP)', 'Server type: MariaDB', 'Server connection: SSL is not being used', 'Server version: 5.5.68-MariaDB - MariaDB Server', and 'Protocol version: 10'.

Task 3

```
1 CREATE TABLE cars (  
2     car_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
3     make VARCHAR(25) NOT NULL,  
4     model VARCHAR(40) NOT NULL,  
5     price FLOAT NOT NULL,  
6     yom INT NOT NULL  
7 );|
```

ClearFormatGet auto-saved query

☐ Bind parameters ?

Bookmark this SQL query:

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0013 seconds.)


```
CREATE TABLE cars ( car_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, make VARCHAR(25) NOT NULL, model VARCHAR(40) NOT NULL, price FLOAT NOT NULL,  
yom INT NOT NULL );
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

Help ?

Hello s103809048

For help with MariaDB, please read the [FeeNIX Help](#) pages.



Task 4

Run SQL query/queries on database s103809048_db: ⓘ

```
1 INSERT INTO cars
2   (car_id , make , model, price , yom)
3   VALUES
4   (NULL, 'BMW', 'X3', '3500', '2010');
```

ClearFormatGet auto-saved query

☐ Bind parameters ⓘ

Bookmark this SQL query:

Delimiter: Show this query here again: ☐ Retain query box: ☐ Refresh when finished: ☐

✓ 1 row inserted.
Inserted row id: 1 (Query took 0.0017 seconds.)

```
INSERT INTO cars (car_id , make , model, price , yom) VALUES (NULL, 'BMW', 'X3', '3500', '2010');
```

[Edit inline][Edit][Create PHP code]

Help ⓘ

Hello s103809048

For help with MariaDB, please read the [FeeNIX Help](#) pages.

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Task 5

✓ Showing rows 0 - 9 (10 total, Query took 0.0009 seconds.)

```
SELECT * FROM cars;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	car_id	make	model	price	yom
<input type="checkbox"/> Edit Copy Delete	1	BMW	X3	3500	2010
<input type="checkbox"/> Edit Copy Delete	2	Holden	Astra	14000	2009
<input type="checkbox"/> Edit Copy Delete	3	Ford	Falcon	39000	2013
<input type="checkbox"/> Edit Copy Delete	4	Toyota	Corolla	20000	2012
<input type="checkbox"/> Edit Copy Delete	5	Holden	Commodore	13500	2005
<input type="checkbox"/> Edit Copy Delete	6	Ford	Falcon	7000	2003
<input type="checkbox"/> Edit Copy Delete	7	Ford	Falcon	14000	2011
<input type="checkbox"/> Edit Copy Delete	8	Holden	Astra	8000	2004
<input type="checkbox"/> Edit Copy Delete	9	Holden	Commodore	28000	2011
<input type="checkbox"/> Edit Copy Delete	10	Ford	Laser	10000	2010

1. ☐ Check all With selected: Edit Copy Delete Export

✓ Showing rows 0 - 9 (10 total, Query took 0.0010 seconds.) [make: BMW... - TOYOTA...] [model: X3... - COROLLA...]

```
SELECT make, model, price FROM cars ORDER BY make, model;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	make	model	price
<input type="checkbox"/> Edit Copy Delete	BMW	X3	3500
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon	14000
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon	7000
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon	39000
<input type="checkbox"/> Edit Copy Delete	Ford	Laser	10000
<input type="checkbox"/> Edit Copy Delete	Holden	Astra	14000
<input type="checkbox"/> Edit Copy Delete	Holden	Astra	8000
<input type="checkbox"/> Edit Copy Delete	Holden	Commodore	13500
<input type="checkbox"/> Edit Copy Delete	Holden	Commodore	28000
<input type="checkbox"/> Edit Copy Delete	Toyota	Corolla	20000

2.

✓ Showing rows 0 - 2 (3 total, Query took 0.0010 seconds.)

```
SELECT make, model FROM cars WHERE price >= 20000;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	make	model
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon
<input type="checkbox"/> Edit Copy Delete	Toyota	Corolla
<input type="checkbox"/> Edit Copy Delete	Holden	Commodore

3.

✓ Showing rows 0 - 3 (4 total, Query took 0.0009 seconds.)

```
SELECT AVG(price) FROM cars GROUP by make;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

AVG(price)
3500
17500
15875
20000

4.

✓ Showing rows 0 - 5 (6 total, Query took 0.0010 seconds.)

```
SELECT make, model FROM cars where price <= 15000;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	make	model
<input type="checkbox"/> Edit Copy Delete	Holden	Astra
<input type="checkbox"/> Edit Copy Delete	Holden	Commodore
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon
<input type="checkbox"/> Edit Copy Delete	Ford	Falcon
<input type="checkbox"/> Edit Copy Delete	Holden	Astra
<input type="checkbox"/> Edit Copy Delete	Ford	Laser

5.

☐ Check all
 With selected:
 ☐ Edit
 ☐ Copy
 ☐ Delete
 ☐ Export

✓ Showing rows 0 - 0 (1 total, Query took 0.0008 seconds.)

```
SELECT AVG(price) FROM cars GROUP BY 'Ford';
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

AVG(price)

18850

6.

✓ Showing rows 0 - 5 (6 total, Query took 0.0009 seconds.)

```
SELECT price, yom FROM cars where yom >= 2010 OR price >= 15000;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows: Sort by key: None ▼

Extra options

			price	yom
<input type="checkbox"/>	Edit	Copy	Delete	35000 2010
<input type="checkbox"/>	Edit	Copy	Delete	39000 2013
<input type="checkbox"/>	Edit	Copy	Delete	20000 2012
<input type="checkbox"/>	Edit	Copy	Delete	14000 2011
<input type="checkbox"/>	Edit	Copy	Delete	28000 2011
<input type="checkbox"/>	Edit	Copy	Delete	10000 2010

7.