Task 1:

```
CREATE TABLE `cars` (
  `car_id` int(11) AUTO_INCREMENT PRIMARY KEY,
  `make` varchar(25) NOT NULL,
  `model` varchar(40) NOT NULL,
  `price` float NOT NULL,
  `yom` int(11) NOT NULL
)
```

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0026 seconds.)

```
CREATE TABLE `cars` ( `car_id` int(11) AUTO_INCREMENT PRIMARY KEY, `make` varchar(25) NOT NULL, `model` varchar(40) NOT NULL, `price` float NOT NULL, `yom` int(11) NOT NULL
);
```

```
INSERT INTO `cars` (`make`, `model`, `price`, `yom`) VALUES
('Holden', 'Astra', 14000, 2005),
('BMW', 'X3', 35000, 2004),
('Ford', 'Falcon', 39000, 2011),
('Toyota', 'Corolla', 20000, 2012),
('Holden', 'Commodore', 13500, 2005),
('Holden', 'Astra', 8000, 2001),
('Holden', 'Commodore', 28000, 2009),
('Ford', 'Falcon', 14000, 2007),
('Ford', 'Falcon', 7000, 2003),
('Ford', 'Laser', 10000, 2010),
('Mazda', 'RX-7', 26000, 2000),
('Toyota', 'Corolla', 12000, 2001),
('Mazda', '3', 14500, 2009);
```

```sql
INSERT INTO `cars` (`make`, `model`, `price`, `yom`) VALUES
('Holden', 'Astra', 14000, 2005),
('BMW', 'X3', 35000, 2004),
('Ford', 'Falcon', 39000, 2011),
('Toyota', 'Corolla', 20000, 2012),
('Holden', 'Commodore', 13500, 2005),
('Holden', 'Astra', 8000, 2001),
('Holden', 'Commodore', 28000, 2009),
('Ford', 'Falcon', 14000, 2007),
('Ford', 'Falcon', 7000, 2003),
('Ford', 'Laser', 10000, 2010),
('Mazda', 'RX-7', 26000, 2000),
('Toyota', 'Corolla', 12000, 2001),
('Mazda', '3', 14500, 2009);
```

	car_id	make	model	price	yom
Edit Copy Delete	1	Holden	Astra	14000	2005
Edit Copy Delete	2	BMW	X3	35000	2004
Edit Copy Delete	3	Ford	Falcon	39000	2011
Edit Copy Delete	4	Toyota	Corolla	20000	2012
Edit Copy Delete	5	Holden	Commodore	13500	2005
Edit Copy Delete	6	Holden	Astra	8000	2001
Edit Copy Delete	7	Holden	Commodore	28000	2009
Edit Copy Delete	8	Ford	Falcon	14000	2007
Edit Copy Delete	9	Ford	Falcon	7000	2003
Edit Copy Delete	10	Ford	Laser	10000	2010
Edit Copy Delete	11	Mazda	RX-7	26000	2000
Edit Copy Delete	12	Toyota	Corolla	12000	2001
Edit Copy Delete	13	Mazda	3	14500	2009

Task 2:

All records: SELECT * FROM `cars`;

Showing rows 0 - 12 (13 total, Query took 0.0020 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

←T→	car_id	make	model	price	yom
Edit Copy Delete	1	Holden	Astra	14000	2005
Edit Copy Delete	2	BMW	X3	35000	2004
Edit Copy Delete	3	Ford	Falcon	39000	2011
Edit Copy Delete	4	Toyota	Corolla	20000	2012
Edit Copy Delete	5	Holden	Commodore	13500	2005
Edit Copy Delete	6	Holden	Astra	8000	2001
Edit Copy Delete	7	Holden	Commodore	28000	2009
Edit Copy Delete	8	Ford	Falcon	14000	2007
Edit Copy Delete	9	Ford	Falcon	7000	2003
Edit Copy Delete	10	Ford	Laser	10000	2010
Edit Copy Delete	11	Mazda	RX-7	26000	2000
Edit Copy Delete	12	Toyota	Corolla	12000	2001
Edit Copy Delete	13	Mazda	3	14500	2009

Make, model, and price, sorted by make and model: SELECT make,model,price FROM `cars` ORDER BY make,model;

Showing rows 0 - 12 (13 total, Query took 0.0021 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 ▲ 1	model ▲ 2	price
Edit	Copy	Delete		BMW	X3	35000
Edit	Copy	Delete		Ford	Falcon	39000
Edit	Copy	Delete		Ford	Falcon	7000
Edit	Copy	Delete		Ford	Falcon	14000
Edit	Copy	Delete		Ford	Laser	10000
Edit	Copy	Delete		Holden	Astra	14000
Edit	Copy	Delete		Holden	Astra	8000
Edit	Copy	Delete		Holden	Commodore	28000
Edit	Copy	Delete		Holden	Commodore	13500
Edit	Copy	Delete		Mazda	3	14500
Edit	Copy	Delete		Mazda	RX-7	26000
Edit	Copy	Delete		Toyota	Corolla	20000
Edit	Copy	Delete		Toyota	Corolla	12000

The make and model of the cars which cost $20,000.00 or more. : SELECT make,model,price FROM `cars` WHERE price >= 20000;

Showing rows 0 - 4 (5 total, Query took 0.0020 seconds.)

```
SELECT make,model,price 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	price
Edit	Copy	Delete		BMW	X3	35000
Edit	Copy	Delete		Ford	Falcon	39000
Edit	Copy	Delete		Toyota	Corolla	20000
Edit	Copy	Delete		Holden	Commodore	28000
Edit	Copy	Delete		Mazda	RX-7	26000

The make and model of the cars which cost below $15,000.00. : SELECT make,model,price FROM `cars` WHERE price <15000;

Showing rows 0 - 7 (8 total, Query took 0.0022 seconds.)

```
SELECT make,model,price 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

←T→				make	model	price
Edit	Copy	Delete		Holden	Astra	14000
Edit	Copy	Delete		Holden	Commodore	13500
Edit	Copy	Delete		Holden	Astra	8000
Edit	Copy	Delete		Ford	Falcon	14000
Edit	Copy	Delete		Ford	Falcon	7000
Edit	Copy	Delete		Ford	Laser	10000
Edit	Copy	Delete		Toyota	Corolla	12000
Edit	Copy	Delete		Mazda	3	14500

The average price of cars for similar make. : SELECT make, AVG(price) as averagePrice FROM cars GROUP BY make;

Showing rows 0 - 4 (5 total, Query took 0.0021 seconds.)

```
SELECT make, AVG(price) as averagePrice 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

←T→				make	averagePrice
Edit	Copy	Delete		BMW	35000
Edit	Copy	Delete		Ford	17500
Edit	Copy	Delete		Holden	15875
Edit	Copy	Delete		Mazda	20250
Edit	Copy	Delete		Toyota	16000