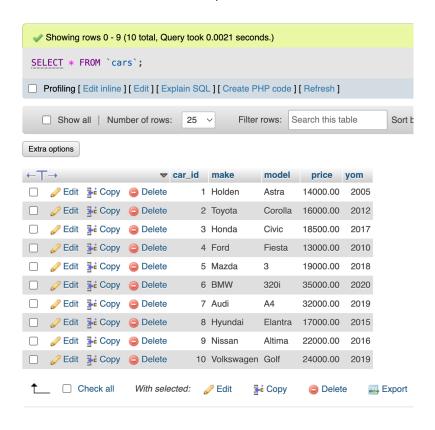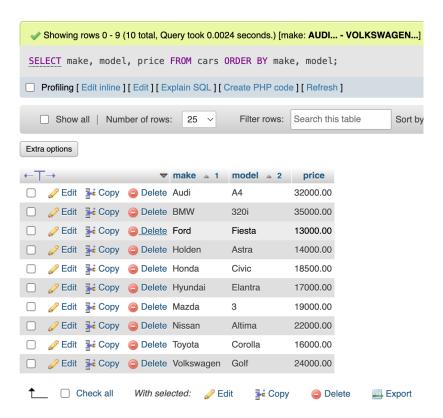## Task 1:

```
CREATE TABLE `cars` (
  `car_id` INT(10) NOT NULL AUTO_INCREMENT,
  `make` VARCHAR(255) NOT NULL,
  `model` VARCHAR(255) NOT NULL,
  `price` DECIMAL(10, 2) NOT NULL,
  `yom` INT(10) NOT NULL,
  PRIMARY KEY (`car_id`)
)

INSERT INTO cars (make, model, price, yom) VALUES
('Holden', 'Astra', 14000.00, 2005),
('Toyota', 'Corolla', 16000.00, 2012),
('Honda', 'Civic', 18500.00, 2017),
('Ford', 'Fiesta', 13000.00, 2010),
('Mazda', '3', 19000.00, 2018),
('BMW', '320i', 35000.00, 2020),
('Audi', 'A4', 32000.00, 2019),
('Hyundai', 'Elantra', 17000.00, 2015),
('Nissan', 'Altima', 22000.00, 2016),
('Volkswagen', 'Golf', 24000.00, 2019);
```

Task 2:

1. **SELECT * FROM cars;**

✔ Showing rows 0 - 9 (10 total, Query took 0.0021 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 b

Extra options

←T→				car_id	make	model	price	yom
☐	🖊 Edit	⌗ Copy	⊖ Delete	1	Holden	Astra	14000.00	2005
☐	🖊 Edit	⌗ Copy	⊖ Delete	2	Toyota	Corolla	16000.00	2012
☐	🖊 Edit	⌗ Copy	⊖ Delete	3	Honda	Civic	18500.00	2017
☐	🖊 Edit	⌗ Copy	⊖ Delete	4	Ford	Fiesta	13000.00	2010
☐	🖊 Edit	⌗ Copy	⊖ Delete	5	Mazda	3	19000.00	2018
☐	🖊 Edit	⌗ Copy	⊖ Delete	6	BMW	320i	35000.00	2020
☐	🖊 Edit	⌗ Copy	⊖ Delete	7	Audi	A4	32000.00	2019
☐	🖊 Edit	⌗ Copy	⊖ Delete	8	Hyundai	Elantra	17000.00	2015
☐	🖊 Edit	⌗ Copy	⊖ Delete	9	Nissan	Altima	22000.00	2016
☐	🖊 Edit	⌗ Copy	⊖ Delete	10	Volkswagen	Golf	24000.00	2019

↑ ☐ Check all   With selected: 🖊 Edit   ⌗ Copy   ⊖ Delete   📄 Export

2. **SELECT make, model, price FROM cars ORDER BY make, model;**

✔ Showing rows 0 - 9 (10 total, Query took 0.0024 seconds.) [make: **AUDI... - VOLKSWAGEN...**]

```
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

Extra options

				make ▲ 1	model ▲ 2	price
☐	🖉 Edit	Copy	⊖ Delete	Audi	A4	32000.00
☐	🖉 Edit	Copy	⊖ Delete	BMW	320i	35000.00
☐	🖉 Edit	Copy	⊖ Delete	Ford	Fiesta	13000.00
☐	🖉 Edit	Copy	⊖ Delete	Holden	Astra	14000.00
☐	🖉 Edit	Copy	⊖ Delete	Honda	Civic	18500.00
☐	🖉 Edit	Copy	⊖ Delete	Hyundai	Elantra	17000.00
☐	🖉 Edit	Copy	⊖ Delete	Mazda	3	19000.00
☐	🖉 Edit	Copy	⊖ Delete	Nissan	Altima	22000.00
☐	🖉 Edit	Copy	⊖ Delete	Toyota	Corolla	16000.00
☐	🖉 Edit	Copy	⊖ Delete	Volkswagen	Golf	24000.00

↑ ☐ Check all   *With selected:*   🖉 Edit   Copy   ⊖ Delete   Export

3. **SELECT make, model FROM cars WHERE price >= 20000;**

✔ Showing rows 0 - 3 (4 total, Query took 0.0207 seconds.)

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

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

☐ Show all | Number of rows: 25 ⌄   Filter rows: Sear

Extra options

				make	model
☐	🖉 Edit	Copy	⊖ Delete	BMW	320i
☐	🖉 Edit	Copy	⊖ Delete	Audi	A4
☐	🖉 Edit	Copy	⊖ Delete	Nissan	Altima
☐	🖉 Edit	Copy	⊖ Delete	Volkswagen	Golf

4. **SELECT make, model FROM cars**
   WHERE price < 15000;

Showing rows 0 - 1 (2 total, Query took 0.0021 seconds.)

SELECT make, model FROM cars WHERE price < 15000;

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

☐ Show all | Number of rows: 25 ∨   Filter rows: Se

Extra options

	make	model
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Holden	Astra
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Ford	Fiesta

5. **SELECT make, AVG(price) AS avg_price**
   FROM cars
   GROUP BY make;

Showing rows 0 - 9 (10 total, Query took 0.0022 seconds.)

SELECT make, AVG(price) AS 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

	make	avg_price
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Audi	32000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	BMW	35000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Ford	13000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Holden	14000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Honda	18500.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Hyundai	17000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Mazda	19000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Nissan	22000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Toyota	16000.000000
☐ 🖉 Edit 🗐 Copy ⊖ Delete	Volkswagen	24000.000000

↰ ☐ Check all   With selected: 🖉 Edit   🗐 Copy   ⊖ Delete