

**EXERCISE 2:** Use the tables you created in exercise 1. Create simple SQL statements using COUNT, AVG, SUM, MAX or LIMIT.

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In order to solve the exercise, I had to add another column and data in it, so that I can use the required functions.

```
ALTER TABLE `biblioteca`.`carti`
```

```
ADD COLUMN `Amount for delays` INT NULL AFTER `Year`;
```

```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '2500' WHERE (`ISBN` = '1');
```

```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '300' WHERE (`ISBN` = '2');
```

```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '750' WHERE (`ISBN` = '3');
```

```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '1500' WHERE (`ISBN` = '4');
```

```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '1455' WHERE (`ISBN` = '5');
```

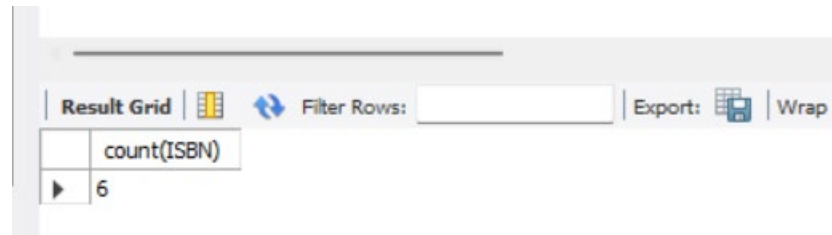
```
UPDATE `biblioteca`.`carti` SET `Amount for delays` = '9874' WHERE (`ISBN` = '6');
```

	ISBN	Author	Title	Year	Amount for delays
	1	Sigmund Freud	Despre Psihanaliza	2012	2500
	2	Victor Frankl	Omul in cautarea sensului vietii	2018	300
	3	Jorge Bucay	Calea Lacrimilor	2010	750
	4	Irvin D. Yalom	Mama si sensul vietii	2021	1500
	5	Eric Emmanuel Schimit	Jurnalul unei iubiri pierdute	2020	1455
▶	6	Alain de Botton	O educatie emotionala	2019	9744
*	NULL	NULL	NULL	NULL	NULL

## SOLUTION

### ➤ COUNT

```
SELECT count(ISBN) FROM biblioteca.carti;
```

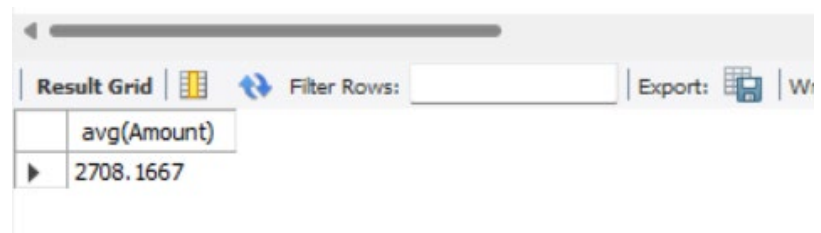


The screenshot shows a database query result grid. The grid has two columns: the first column is empty, and the second column is labeled 'count(ISBN)'. The first row of data shows the value '6'. Above the grid, there are controls for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap'.

	count(ISBN)
▶	6

### ➤ AVG

```
SELECT avg(Amount) FROM biblioteca.carti;
```

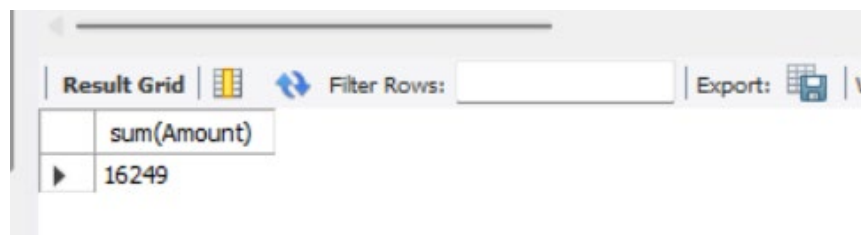


The screenshot shows a database query result grid. The grid has two columns: the first column is empty, and the second column is labeled 'avg(Amount)'. The first row of data shows the value '2708.1667'. Above the grid, there are controls for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap'.

	avg(Amount)
▶	2708.1667

### ➤ SUM

```
SELECT sum(Amount) FROM biblioteca.carti;
```



The screenshot shows a database query result grid. The grid has two columns: the first column is empty, and the second column is labeled 'sum(Amount)'. The first row of data shows the value '16249'. Above the grid, there are controls for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap'.

	sum(Amount)
▶	16249

➤ MAX

```
SELECT max(Title) FROM biblioteca.carti;
```

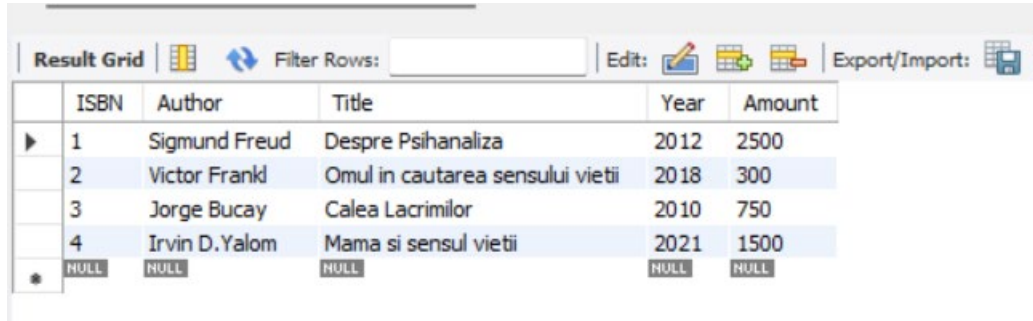


The screenshot shows a database interface with a toolbar at the top containing 'Result Grid', a grid icon, a 'Filter Rows:' input field, an 'Export:' button with a grid icon, and a 'Wrap Cell' button. Below the toolbar, a table displays the result of the query. The first row contains the text 'max(Title)' in a cell. The second row contains the text 'Omul in cautarea sensului vietii' in a cell, preceded by a small right-pointing triangle icon.

max(Title)
▶ Omul in cautarea sensului vietii

➤ LIMIT

```
SELECT * FROM biblioteca.carti limit 4;
```



The screenshot shows a database interface with a toolbar at the top containing 'Result Grid', a grid icon, a 'Filter Rows:' input field, an 'Edit:' button with a pencil icon, a grid icon, a red arrow icon, and an 'Export/Import:' button with a grid icon. Below the toolbar, a table displays the result of the query. The table has six columns: an empty column, 'ISBN', 'Author', 'Title', 'Year', and 'Amount'. The first four rows of data are highlighted in blue. The fifth row contains 'NULL' values for the last two columns. A small asterisk icon is visible in the first column of the fifth row.

	ISBN	Author	Title	Year	Amount
▶	1	Sigmund Freud	Despre Psihanaliza	2012	2500
	2	Victor Frankl	Omul in cautarea sensului vietii	2018	300
	3	Jorge Bucay	Calea Lacrimilor	2010	750
	4	Irvin D. Yalom	Mama si sensul vietii	2021	1500
*	NULL	NULL	NULL	NULL	NULL