

## DB Task documentation

### **Objective:**

Use drinkMenu.csv to answer 3 questions and show these answers by written queries.

### **Relational database used:**

MySql.

### **The questions and answers required:**

1. Which drink has the highest calories from the dataset?

Answer is: `SELECT `Beverage_category`,`Calories` FROM `drinkmenu` WHERE  
`Calories`=(SELECT Max(`Calories`)FROM `drinkmenu`)`

2. What is the average calorie amount for each drink category?

Answer is: `SELECT AVG(`Calories`) FROM `drinkmenu``

3. Which drinks have below average calorie amount?

Answer is: `SELECT `Beverage_category`,`Calories` FROM `drinkmenu` WHERE  
`Calories`<(SELECT AVG(`Calories`)FROM `drinkmenu`)`

### **How to run:**

I am used phpMyAdmin to run these queries and see the outputs.

### Samples from the outputs:

```
SELECT `Beverage_category`,`Calories` FROM `drinkmenu` WHERE `Calories`=(SELECT Max(`Calories`)FROM `drinkmenu`)
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#)

☐ Show all | Number of rows: 25 ▼

Filter rows:

+ Options

Beverage_category	Calories
Signature Espresso Drinks	510

✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT AVG(`Calories`)FROM `drinkmenu`
```

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

☐ Show all | Number of rows: 25 ▼

Filter rows:

+ Options

AVG('Calories')

193.8719

Showing rows 0 - 24 (132 total, Query took 0.0005 seconds.)

```
SELECT 'Beverage_category', 'Calories' FROM 'drinkmenu' WHERE 'Calories' < (SELECT AVG('Calories') FROM 'drinkmenu')
```

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

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

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Beverage_category	Calories
Coffee	3
Coffee	4
Coffee	5
Coffee	
Classic Espresso Drinks	70
Classic Espresso Drinks	100
Classic Espresso Drinks	70
Classic Espresso Drinks	100
Classic Espresso Drinks	160
Classic Espresso Drinks	110
Classic Espresso Drinks	130
Classic Espresso Drinks	160
Classic Espresso Drinks	160
Classic Espresso Drinks	170
Classic Espresso Drinks	160
Classic Espresso Drinks	110
Classic Espresso Drinks	130
Classic Espresso Drinks	110
Classic Espresso Drinks	110
Classic Espresso Drinks	180
Classic Espresso Drinks	100
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Classic Espresso Drinks	110
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Classic Espresso Drinks	160