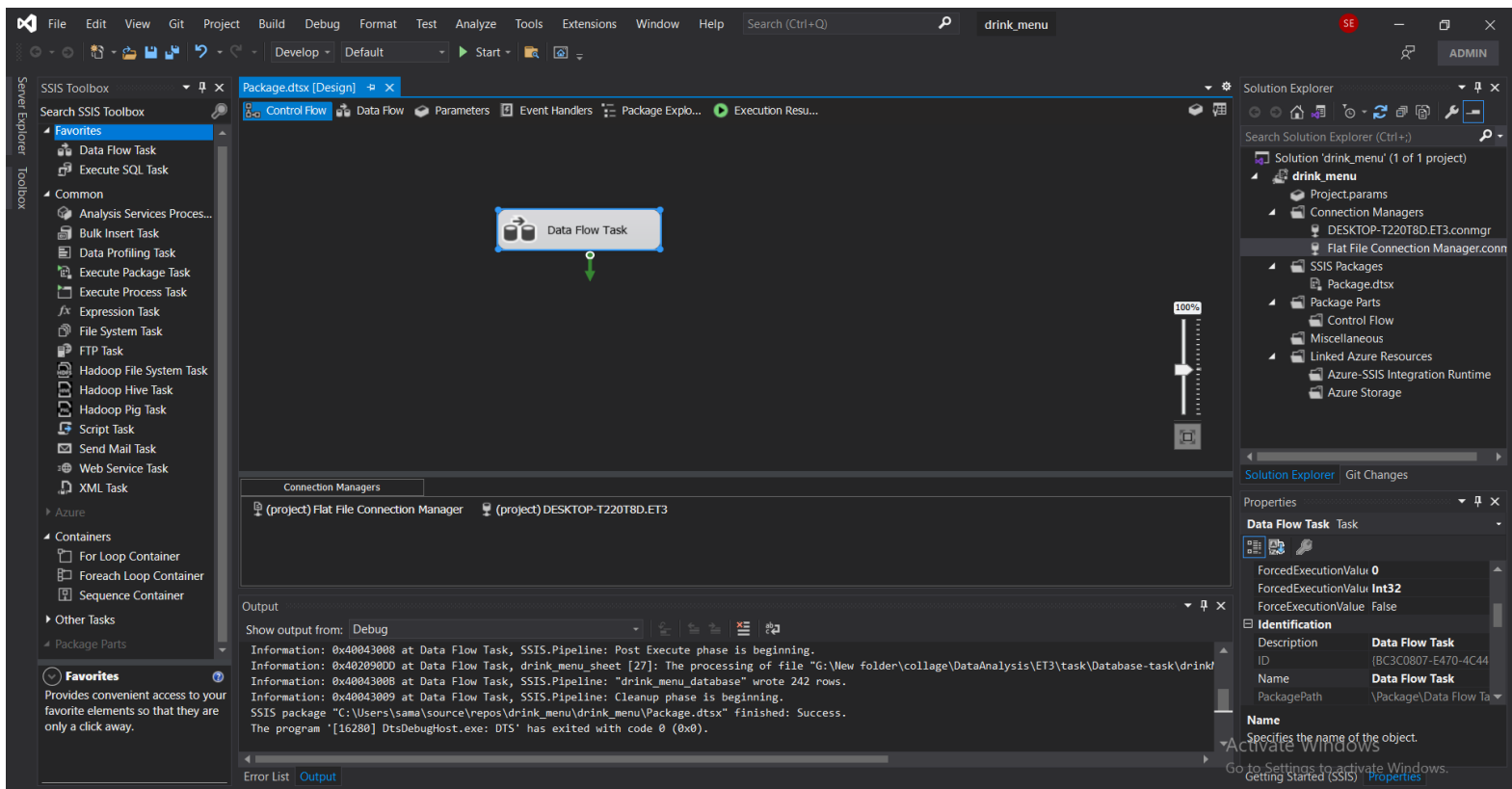


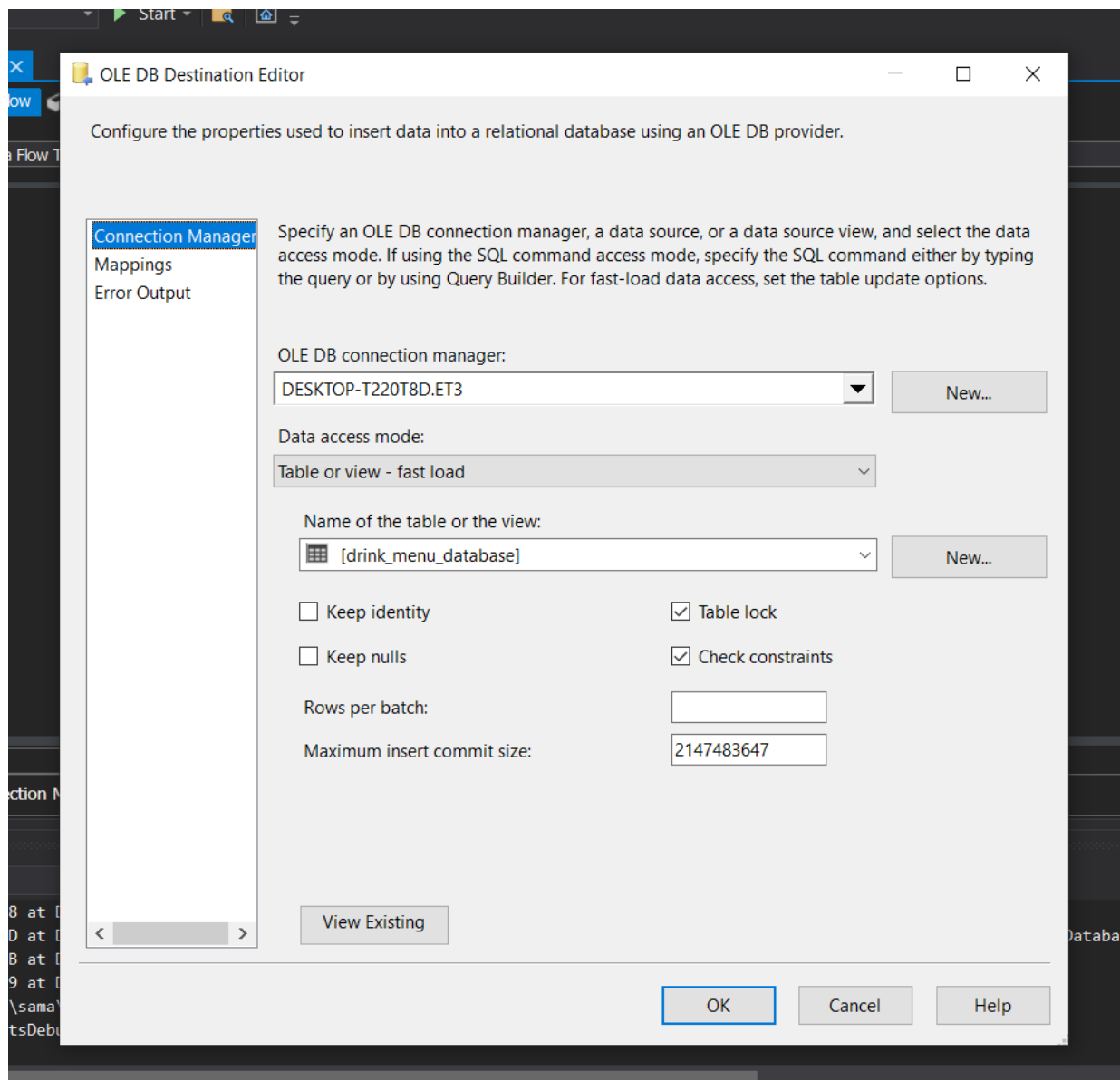
Database task

First: Import the provided excel sheet into any relational database.

1- Make SSIS project and drag dataflow in visual studio to start load the data from excel file.

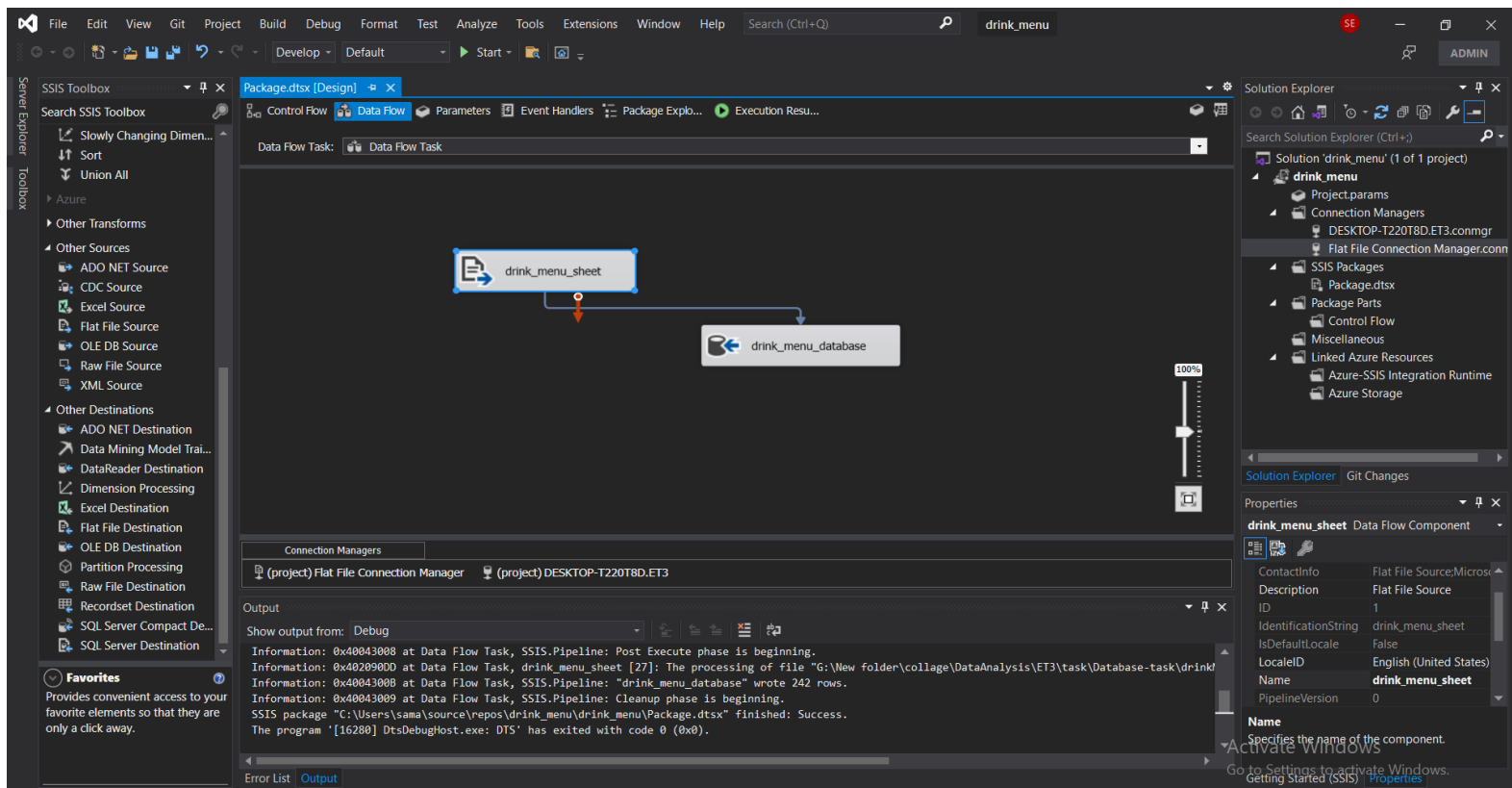


2- Create connection for OLE DB and the flat file to start building the project.

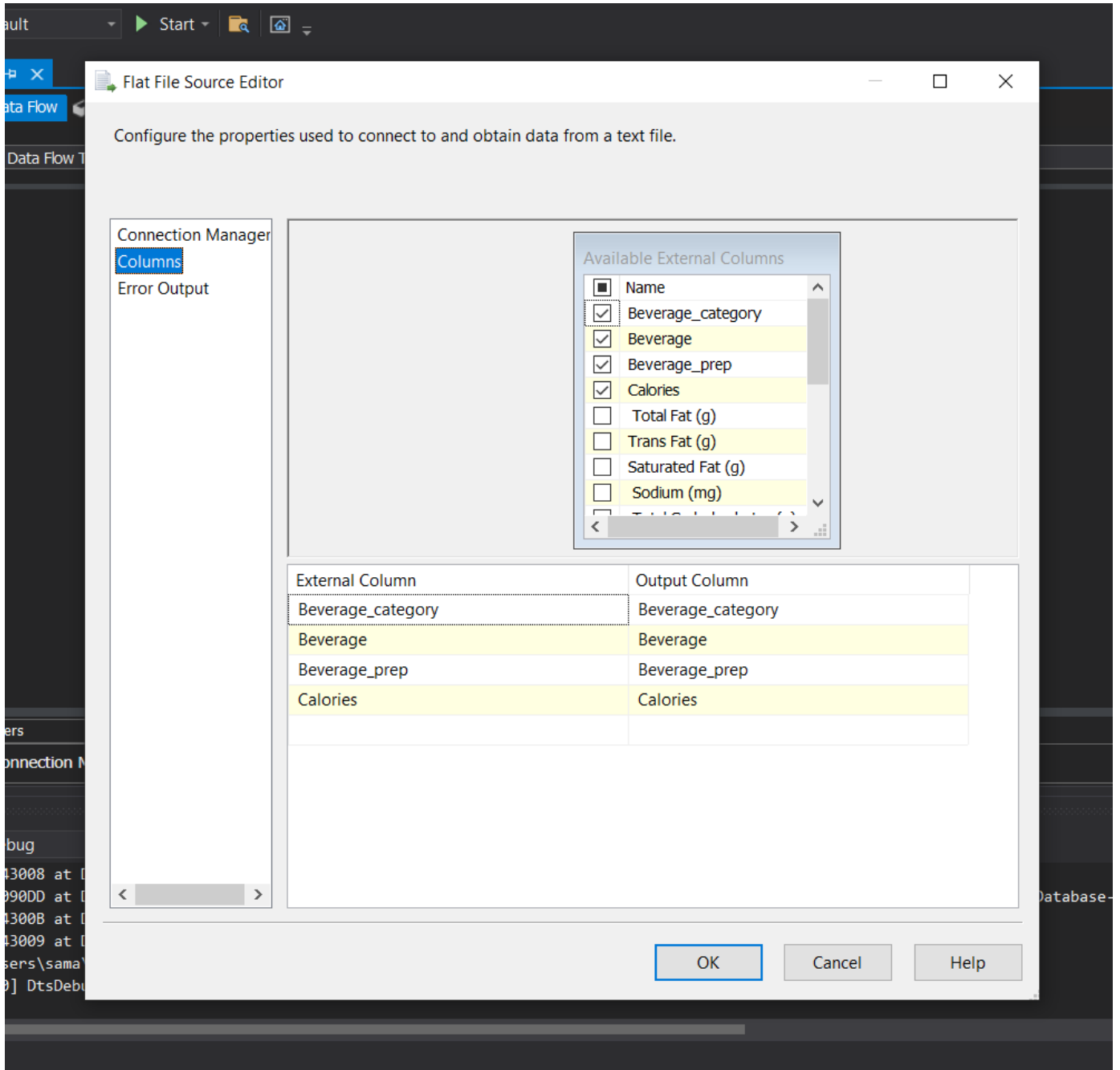


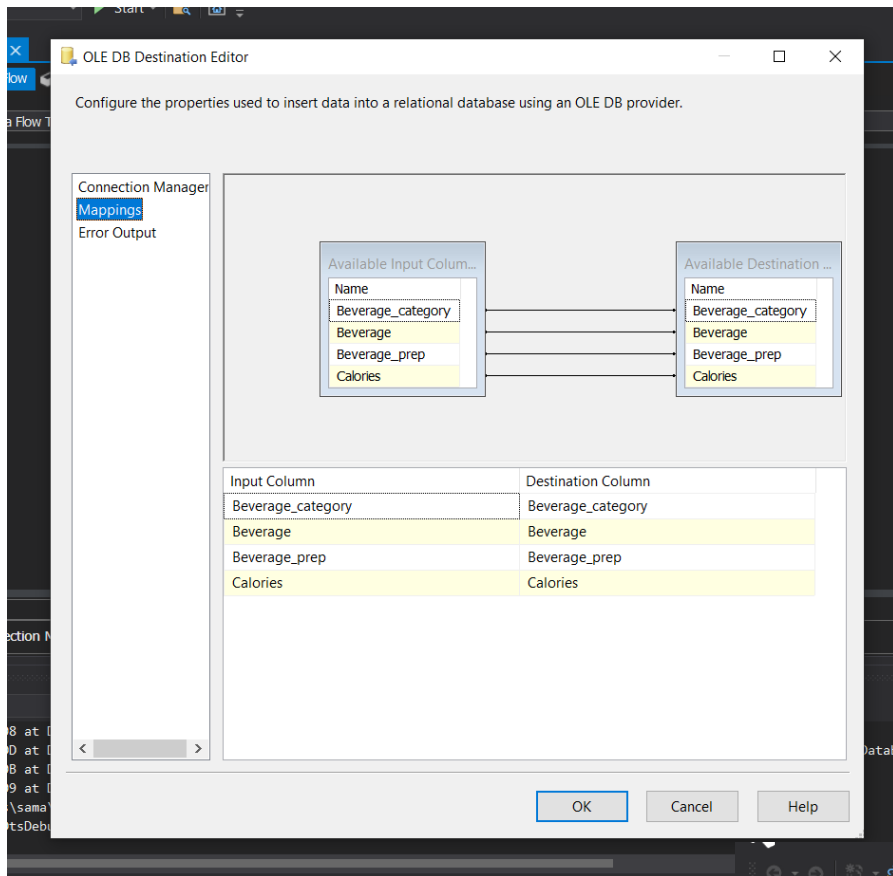
3- Select flat file as a source file to load the data from it.

4- And select OLE DB as destination file.

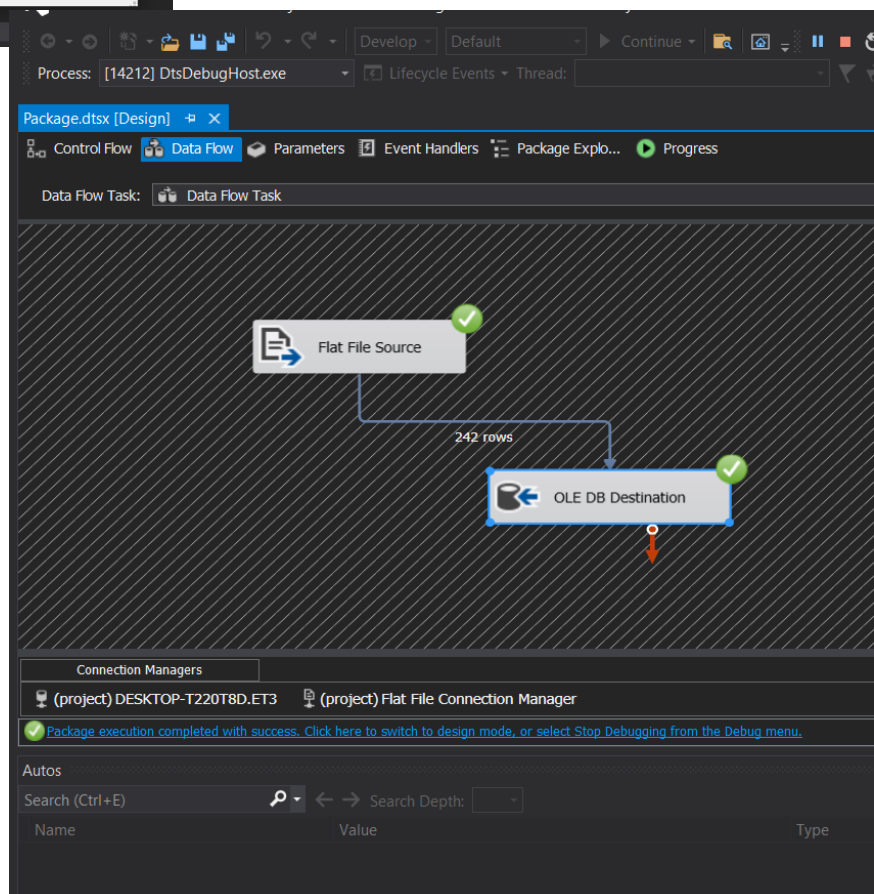


5- Select only necessary columns to be loaded and used in next steps.





6- Finally map all columns (from file to database) and start run the project.



Second: Answers these questions.

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

SELECT Beverage

FROM drink_menu_database

WHERE Calories = (**SELECT** MAX(Calories) **FROM** drink_menu_database);

Answer:

Beverage
White Chocolate Mocha (Without Whipped Cream)

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

SELECT Beverage_category, AVG(Calories) AS avarage

FROM drink_menu_database

GROUP BY Beverage_category

ORDER BY avarage desc;

Answer:

	Beverage_category	avarage
1	Smoothies	282.222222
2	Frappuccino® Blended Coffee	276.944444
3	Signature Espresso Drinks	250.000000
4	Frappuccino® Blended Crème	233.076923
5	Tazo® Tea Drinks	177.307692
6	Frappuccino® Light Blended Coffee	162.500000
7	Classic Espresso Drinks	140.172413
8	Shaken Iced Beverages	114.444444
9	Coffee	4.250000

3. Which drinks have below average calorie amount?

SELECT distinct Beverage, Calories

FROM drink_menu_database

WHERE Calories < (SELECT
AVG(Calories) **FROM**
drink_menu_database);

	Beverage	Calories
1	Brewed Coffee	3
2	Brewed Coffee	4
3	Brewed Coffee	5
4	Caffè Americano	5
5	Caffè Americano	10
6	Caffè Americano	15
7	Caffè Americano	25
8	Caffè Latte	70
9	Caffè Latte	100
10	Caffè Latte	110
11	Caffè Latte	130
12	Caffè Latte	150
13	Caffè Latte	170
14	Caffè Latte	190
15	Caffè Mocha (Without Whipped Cream)	110
16	Caffè Mocha (Without Whipped Cream)	130
17	Caffè Mocha (Without Whipped Cream)	170