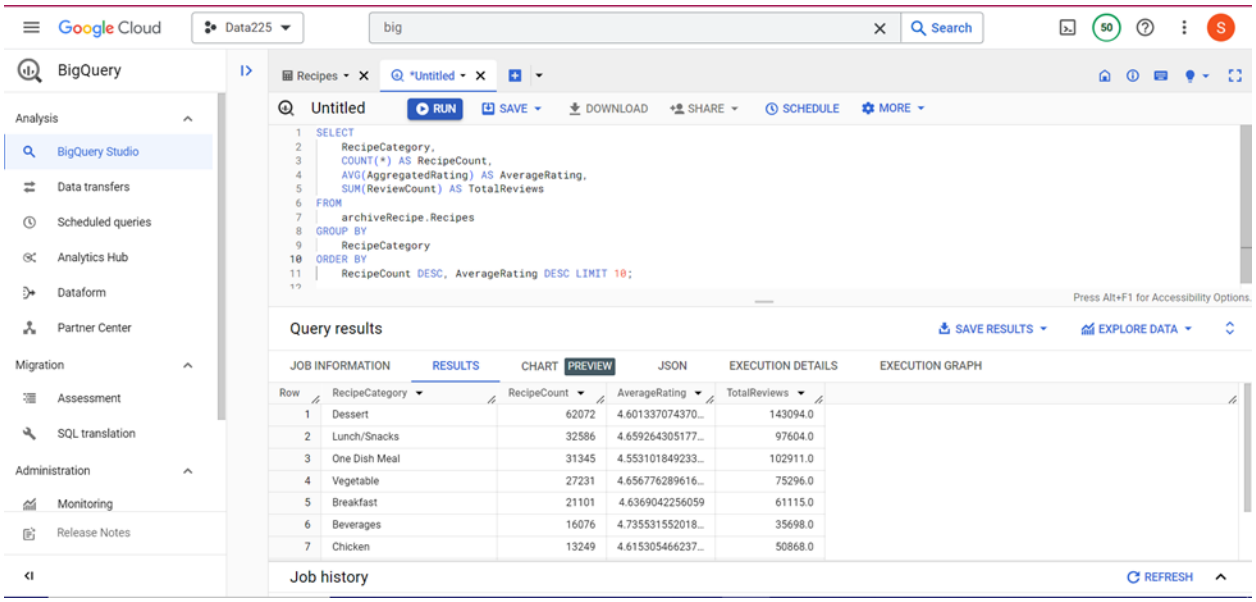
1. Write a sql query to analyze which recipe categories (like desserts, vegan, etc.) are most popular (top 10).

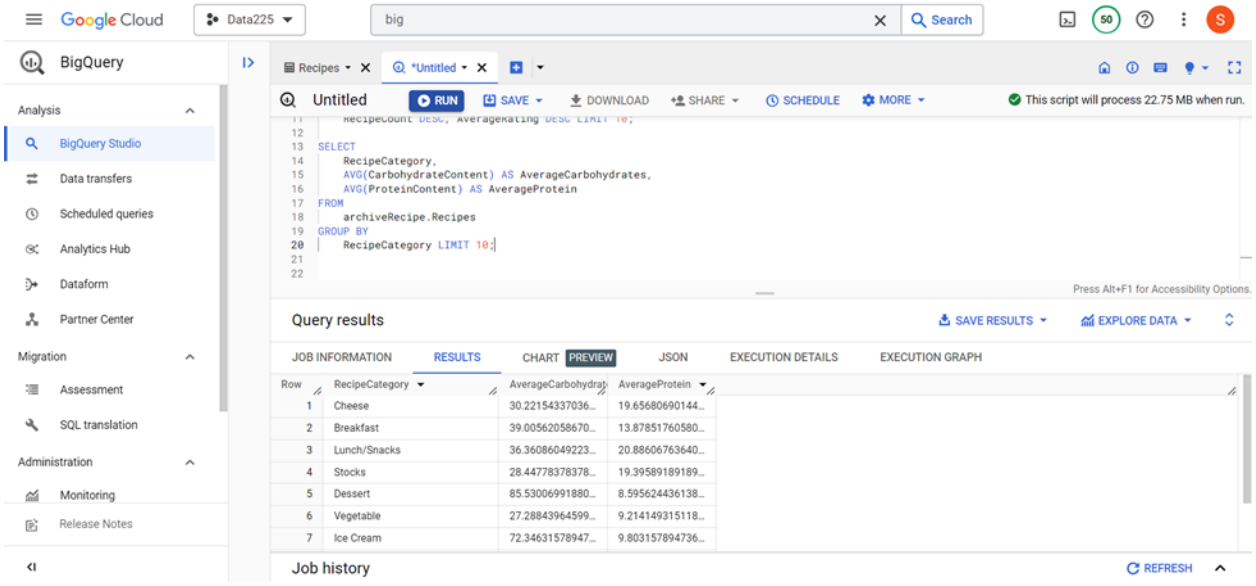



```
SELECT
   RecipeCategory,
   COUNT(*) AS RecipeCount,
   AVG(AggregatedRating) AS AverageRating,
   SUM(ReviewCount) AS TotalReviews
FROM
   archiveRecipe.Recipes
GROUP BY
   RecipeCategory
ORDER BY
   RecipeCount DESC, AverageRating DESC LIMIT 10;
```

Result:

RecipeCategory	RecipeCount	AverageRating	TotalReviews
Dessert	62072	4.601337074370446	7143094.0
Lunch/Snacks	32586	4.659264305177112	3097604.0
One Dish Meal	31345	4.553101849233729	4102911.0
Vegetable	27231	4.656776289616763	3075296.0
Breakfast	21101	4.6369042256059	61115.0
Beverages	16076	4.735531552018192	9335698.0
Chicken	13249	4.615305466237946	2050868.0
Meat	13131	4.591469757764906	36643.0
Breads	12804	4.591022810890358	1039921.0
Pork	12603	4.658194503773321	746075.0

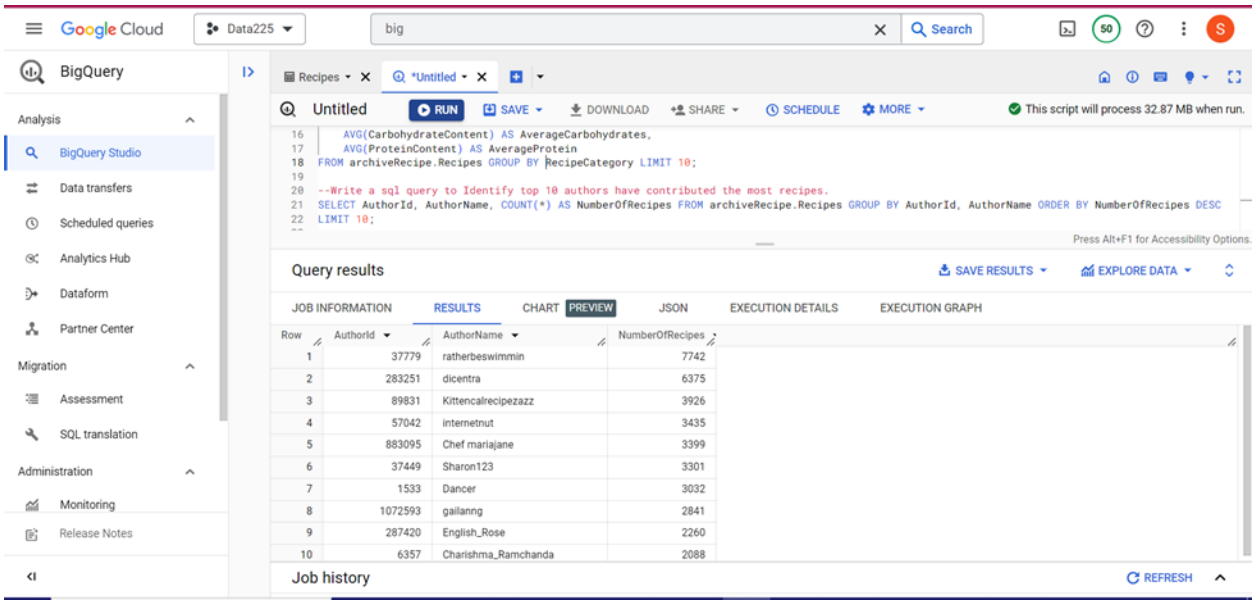
2. Write a query to assess the average nutritional values (like carbohydrates, protein) across different recipe categories.




```
SELECT
   RecipeCategory,
   AVG(CarbohydrateContent) AS AverageCarbohydrates,
   AVG(ProteinContent) AS AverageProtein
FROM
   archiveRecipe.Recipes
GROUP BY
   RecipeCategory LIMIT 10;
```

RecipeCategory	AverageCarbohydrates	AverageProtein
Cheese	30.2215433703616	48 19.656806901441762
Breakfast	39.0056205867021	43 13.878517605800649
Lunch/Snacks	36.3608604922359	65 20.886067636408217
Stocks	28.4477837837837	98 19.395891891891903
Dessert	85.5300699188043	58 8.5956244361386869
Vegetable	27.2884396459916	27 9.2141493151188136
Ice Cream	72.3463157894736	92 9.8031578947368452
Spinach	24.9582142857143	13.899846938775514
One Dish Meal	44.97021853565159	29.636174828521369
European	45.1384552845528	19 23.052764227642268

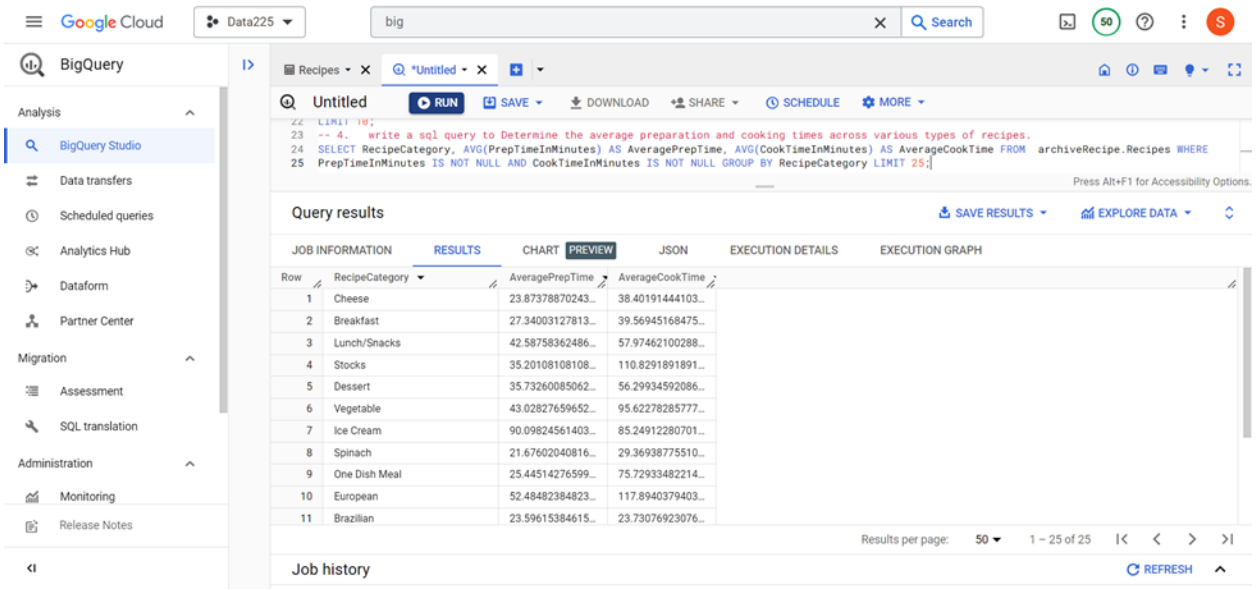
3. Write a sql query to Identify top 10 authors who have contributed the most recipes.




```
  SELECT
  AuthorId,
  AuthorName,
  COUNT(*) AS NumberOfRecipes
FROM
  archiveRecipe.Recipes
GROUP BY
  AuthorId, AuthorName
ORDER BY
  NumberOfRecipes DESC
LIMIT 10;
```

AuthorId	AuthorName	NumberOfRecipes
37779	ratherbeswimmin	7742
283251	dicentra	6375
89831	Kittencalrecipezazz	3926
57042	internetnut	3435
883095	Chef mariajane	3399
37449	Sharon123	3301
1533	Dancer	3032
1072593	gailanng	2841
287420	English_Rose	2260
6357	Charishma_Ramchanda	2088

4. Write a sql query to Determine the average preparation and cooking times across various types of recipes.
SELECT RecipeCategory, AVG(PrepTimeInMinutes) AS AveragePrepTime, AVG(CookTimeInMinutes) AS AverageCookTime FROM archiveRecipe.Recipes WHERE PrepTimeInMinutes IS NOT NULL AND CookTimeInMinutes IS NOT NULL GROUP BY RecipeCategory LIMIT 25;

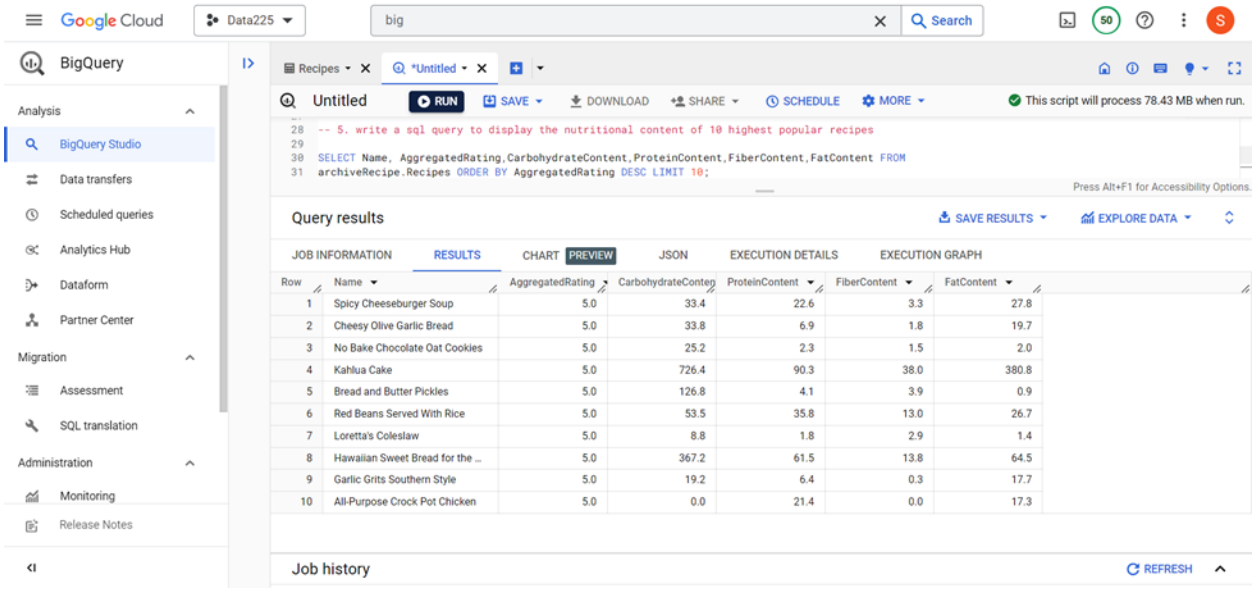


RecipeCategory	AveragePrepTime	AverageCookTime
Cheese	23.873788702434389	38.4019144410305
Breakfast	27.34003127813846	39.569451684754242
Lunch/Snacks	42.58758362486948	57.97462100288476
Stocks	35.201081081081064	110.82918918918918
Dessert	35.73260085062514	56.299345920865861
Vegetable	43.028276596526062	95.6227828577726
Ice Cream	90.09824561403506	85.249122807017528
Spinach	21.676020408163268	29.369387755102061
One Dish Meal	25.445142765991381	75.7293348221405
European	52.4848238482384	49 117.89403794037948
Brazilian	23.596153846153847	23.730769230769234
Pork	66.03364278346435	96.650956121558465
Pumpkin	22.184397163120568	61.517730496453886
Steak	52.66224552745215	760.852251696483684
Cauliflower	26.241773962804007	47.842632331902692
< 60 Mins	18.82652536269164	26.789998971087606
Breads	53.29795376444862	945.647688222430624
Grains	29.46666666666666	952.563596491228061
Low Protein	165.58952423833114	182.11271199159546
Spaghetti	16.621447721179621	52.975335120643408
Potato	24.27976080956762	53.352989880404785

Meatballs 20.215384615384618 70.535897435897425
Meat 60.033127713045332 979.560581829259
Meatloaf 21.052873563218387 67.659770114942546
Savory Pies 29.610147299509006 47.157774140752892

5. Write a sql query to display the nutritional content of 10 highest popular recipes

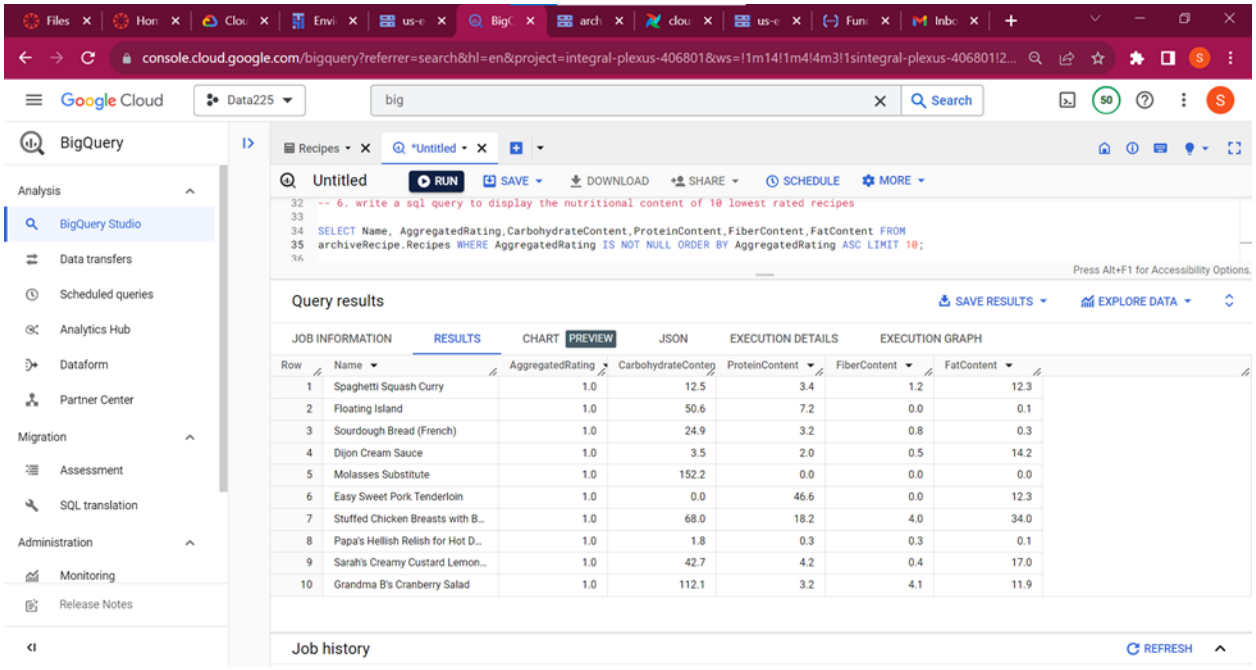
SELECT Name, AggregatedRating, CarbohydrateContent,ProteinContent,FiberContent,FatContent FROM archiveRecipe.Recipes ORDER BY AggregatedRating DESC LIMIT 10;



Name	AggregatedRating	CarbohydrateContent	ProteinContent	FiberContent	FatContent
Spicy Cheeseburger Soup	5.0	33.4	22.6	3.3	27.8
Cheesy Olive Garlic Bread	5.0	33.8	6.9	1.8	19.7
No Bake Chocolate Oat Cookies	5.0	25.2	2.3	1.5	2.0
Kahlua Cake	5.0	726.4	90.3	38.0	380.8
Bread and Butter Pickles	5.0	126.8	4.1	3.9	0.9
Red Beans Served With Rice	5.0	53.5	35.8	13.0	26.7
Loretta's Coleslaw	5.0	8.8	1.8	2.9	1.4
Hawaiian Sweet Bread for the Bread Machine	5.0	367.2	61.5	13.8	64.5
Garlic Grits Southern Style	5.0	19.2	6.4	0.3	17.7
All-Purpose Crock Pot Chicken	5.0	0.0	21.4	0.0	17.3

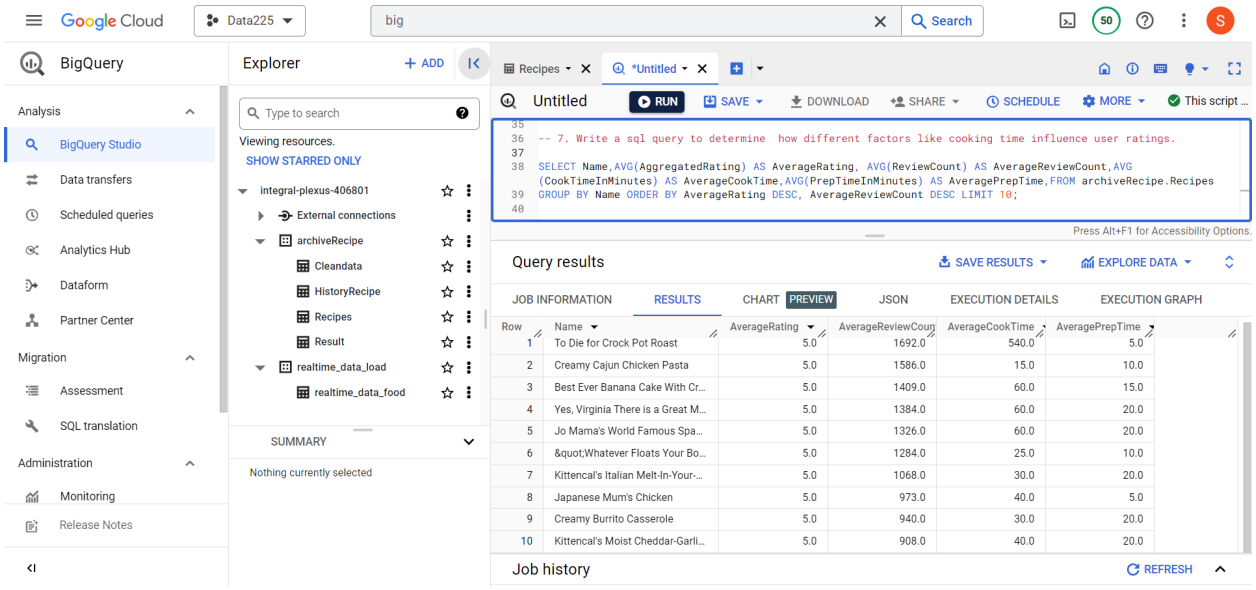
6. Write a sql query to display the nutritional content of 10 lowest rated recipes

SELECT Name, AggregatedRating, CarbohydrateContent,ProteinContent,FiberContent,FatContent FROM archiveRecipe.Recipes WHERE AggregatedRating IS NOT NULL ORDER BY AggregatedRating ASC LIMIT 10;



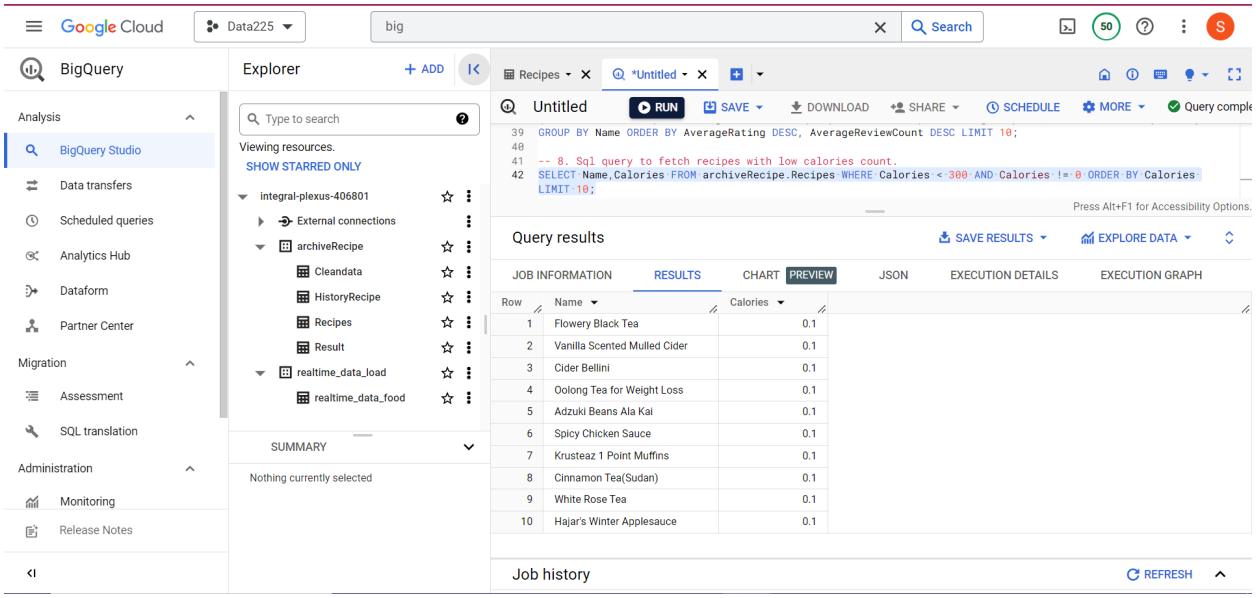
7. Write a sql query to determine how different factors like cooking time influence user ratings.

```
SELECT Name,AVG(AggregatedRating) AS AverageRating, AVG(ReviewCount) AS AverageReviewCount,AVG(CookTimeInMinutes) AS AverageCookTime,AVG(PrepTimeInMinutes) AS AveragePrepTime,FROM archiveRecipe.Recipes
GROUP BY Name ORDER BY AverageRating DESC, AverageReviewCount DESC LIMIT 10;
```



8. Write a SQL Query to find recipes with low calorie count

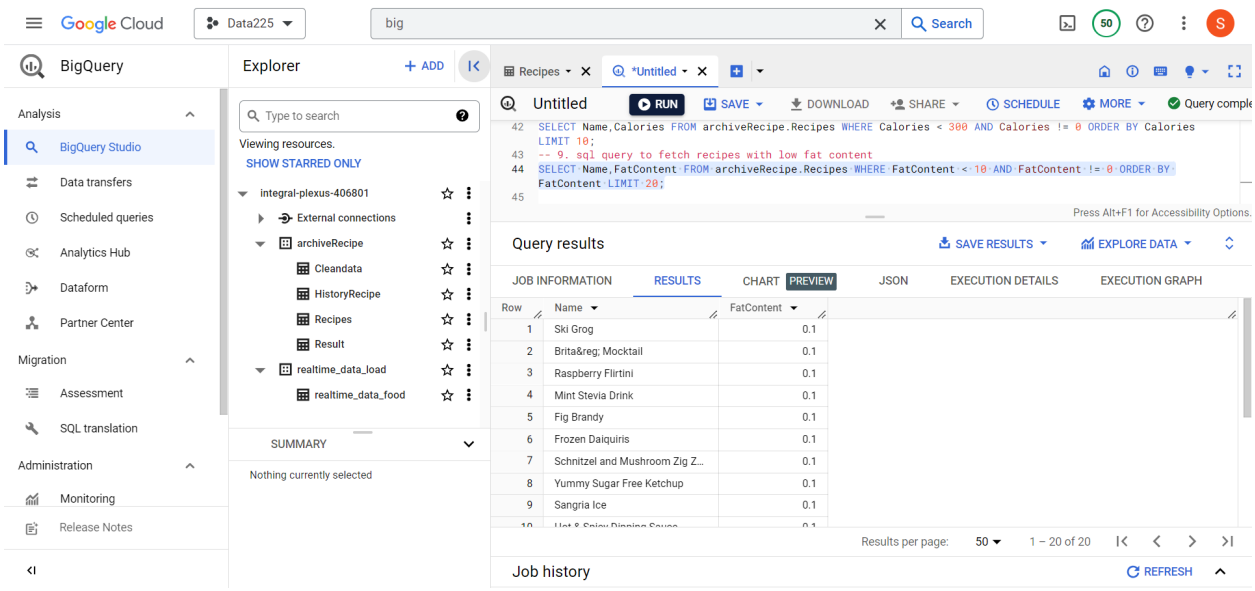
```
SELECT
    Name,
    CalorieContent
FROM
    Recipes
WHERE
    CalorieContent < 300
ORDER BY
    CalorieContent;
```



Name	Calories
Flowery Black Tea	0.1
Vanilla Scented Mulled Cider	0.1
Cider Bellini	0.1
Oolong Tea for Weight Loss	0.1
Adzuki Beans Ala Kai	0.1
Spicy Chicken Sauce	0.1
Krusteaz 1 Point Muffins	0.1
Cinnamon Tea(Sudan)	0.1
White Rose Tea	0.1
Hajar's Winter Applesauce	0.1

9. Write a sql query to fetch recipes with low fat content

```
SELECT Name,FatContent FROM archiveRecipe.Recipes WHERE FatContent < 10 AND FatContent
!= 0 ORDER BY FatContent LIMIT 20;
```


Google Cloud
Data225
big
Search
BigQuery
Explorer
+ ADD
Analysis
BigQuery Studio
Data transfers
Scheduled queries
Analytics Hub
Dataform
Partner Center
Migration
Assessment
SQL translation
Administration
Monitoring
Release Notes
Type to search
Viewing resources.
SHOW STARRED ONLY
integral-plexus-406801
External connections
archiveRecipe
Cleandata
HistoryRecipe
Recipes
Result
realtime_data_load
realtime_data_food
SUMMARY
Nothing currently selected
Recipes
*Untitled
Untitled
RUN
SAVE
DOWNLOAD
SHARE
SCHEDULE
MORE
Query comple
42 SELECT Name,Calories FROM archiveRecipe.Recipes WHERE Calories < 300 AND Calories != 0 ORDER BY Calories
LIMIT 10;
43 -- 9. sql query to fetch recipes with low fat content
44 SELECT Name,FatContent FROM archiveRecipe.Recipes WHERE FatContent < 10 AND FatContent != 0 ORDER BY
FatContent LIMIT 20;
45
Press Alt+F1 for Accessibility Options.
Query results
SAVE RESULTS
EXPLORE DATA
JOB INFORMATION
RESULTS
CHART
PREVIEW
JSON
EXECUTION DETAILS
EXECUTION GRAPH
Row
Name
FatContent
1 Ski Grog 0.1
2 Brita® Mocktail 0.1
3 Raspberry Flirtini 0.1
4 Mint Stevia Drink 0.1
5 Fig Brandy 0.1
6 Frozen Daiquiris 0.1
7 Schnitzel and Mushroom Zig Z... 0.1
8 Yummy Sugar Free Ketchup 0.1
9 Sangria Ice 0.1
Results per page: 50
1 – 20 of 20
Job history
REFRESH