**SQL assignment**

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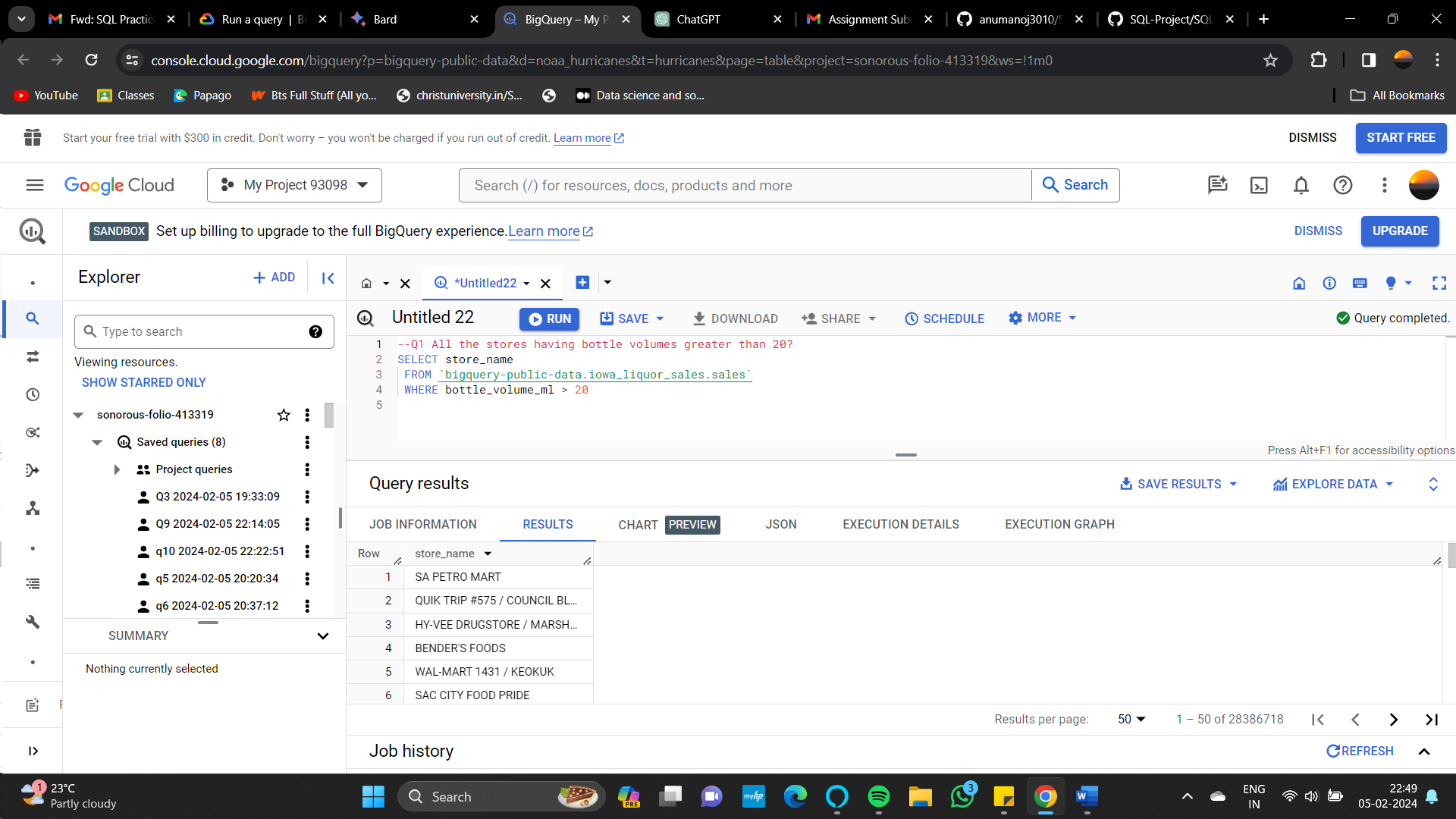
**Dataset 1: the Iowa liquor sales dataset**

Q1. All the stores having bottle volumes greater than 20?

SELECT store\_name

 FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

 WHERE bottle\_volume\_ml > 20

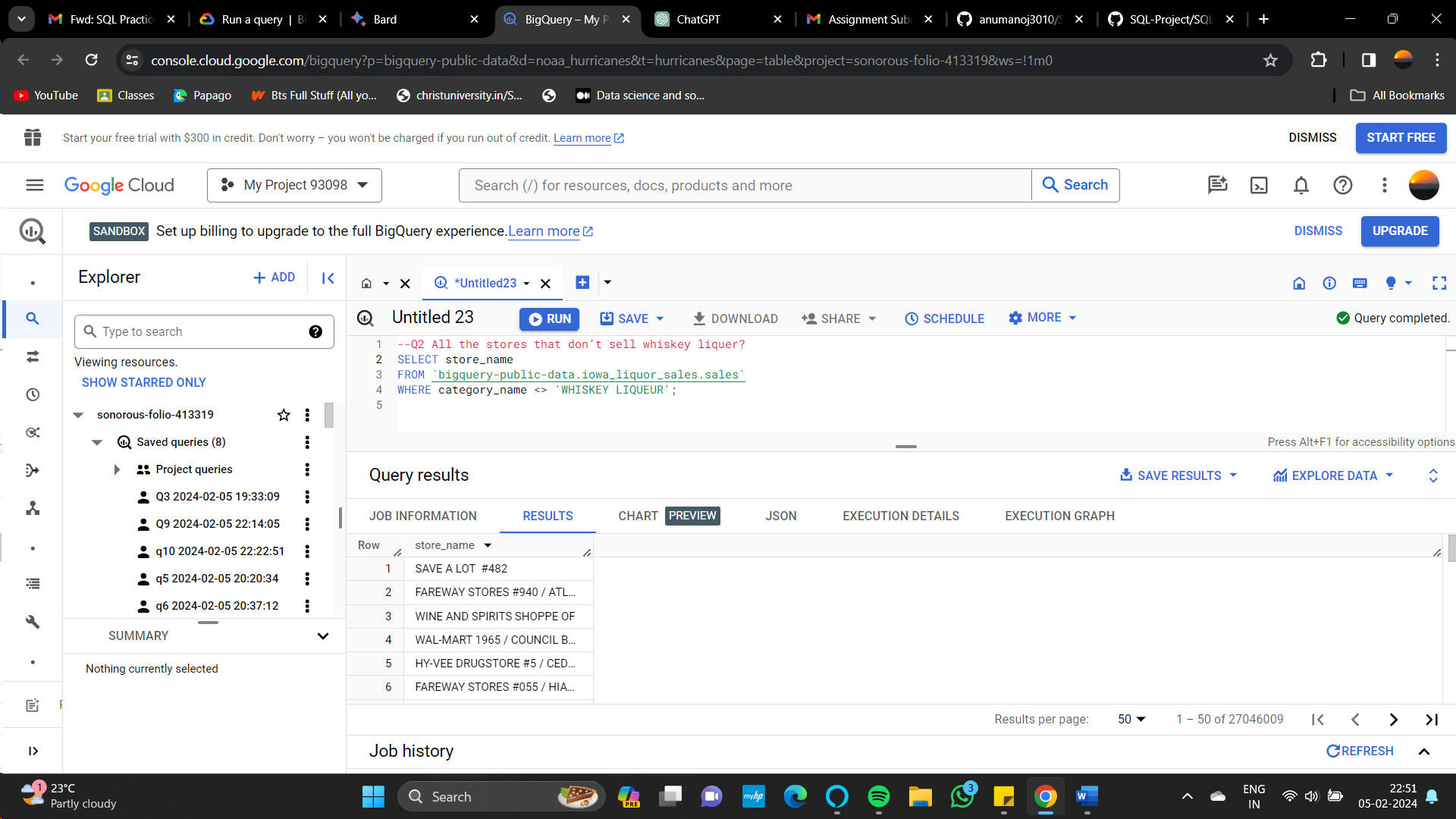


Q2. All the stores that don’t sell whiskey liquer?

SELECT store\_name

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE category\_name <> 'WHISKEY LIQUEUR';



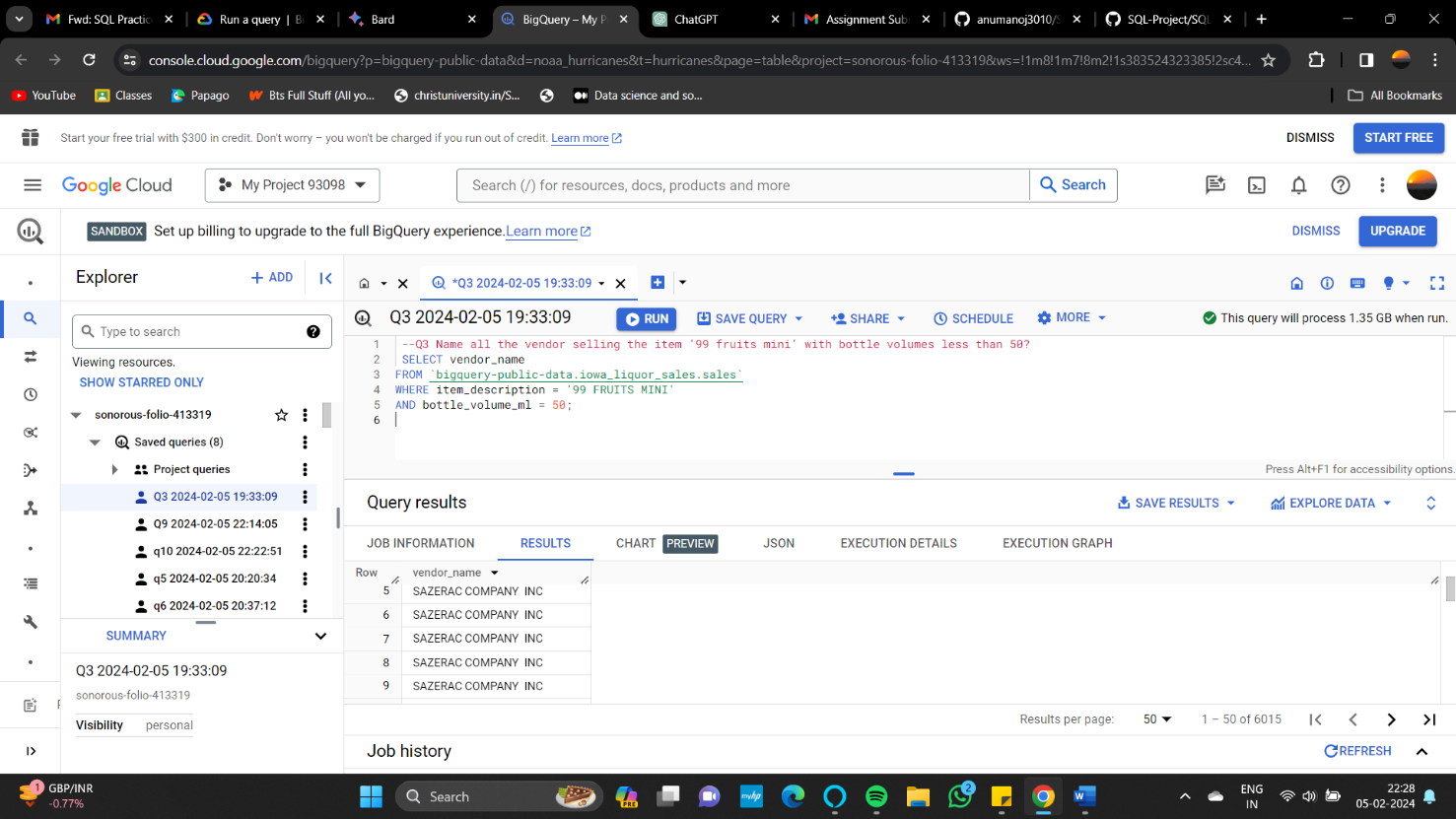
Q3. Name all the vendor selling the item ’99 fruits mini’ with bottle volumes less than 50?

SELECT vendor\_name

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE item\_description = '99 FRUITS MINI'

AND bottle\_volume\_ml = 50;



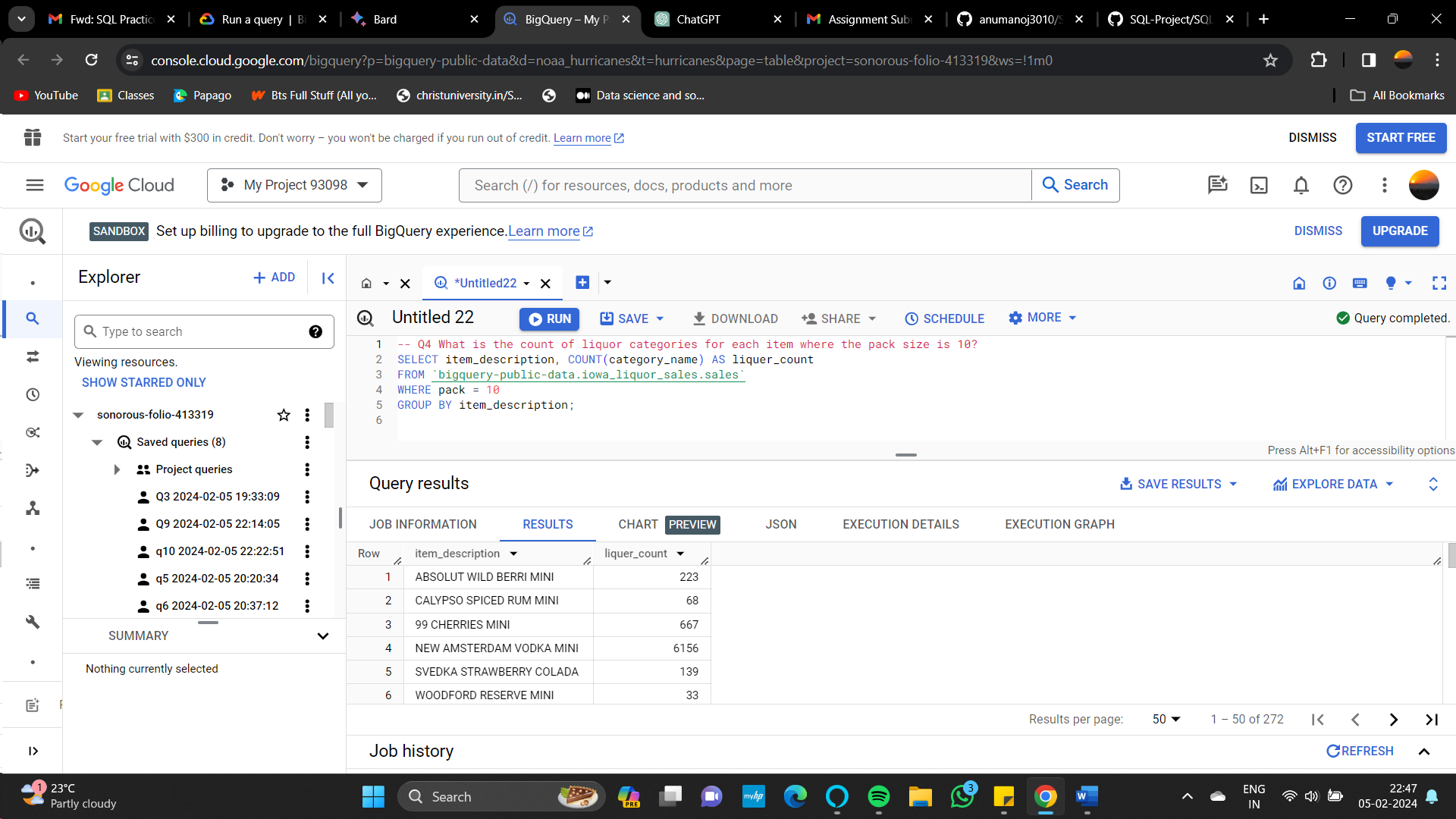
Q4. What is the count of liquor categories for each item where the pack size is 10 in the Iowa liquor sales dataset?

SELECT item\_description, COUNT(category\_name) AS liquer\_count

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE pack = 10

GROUP BY item\_description;

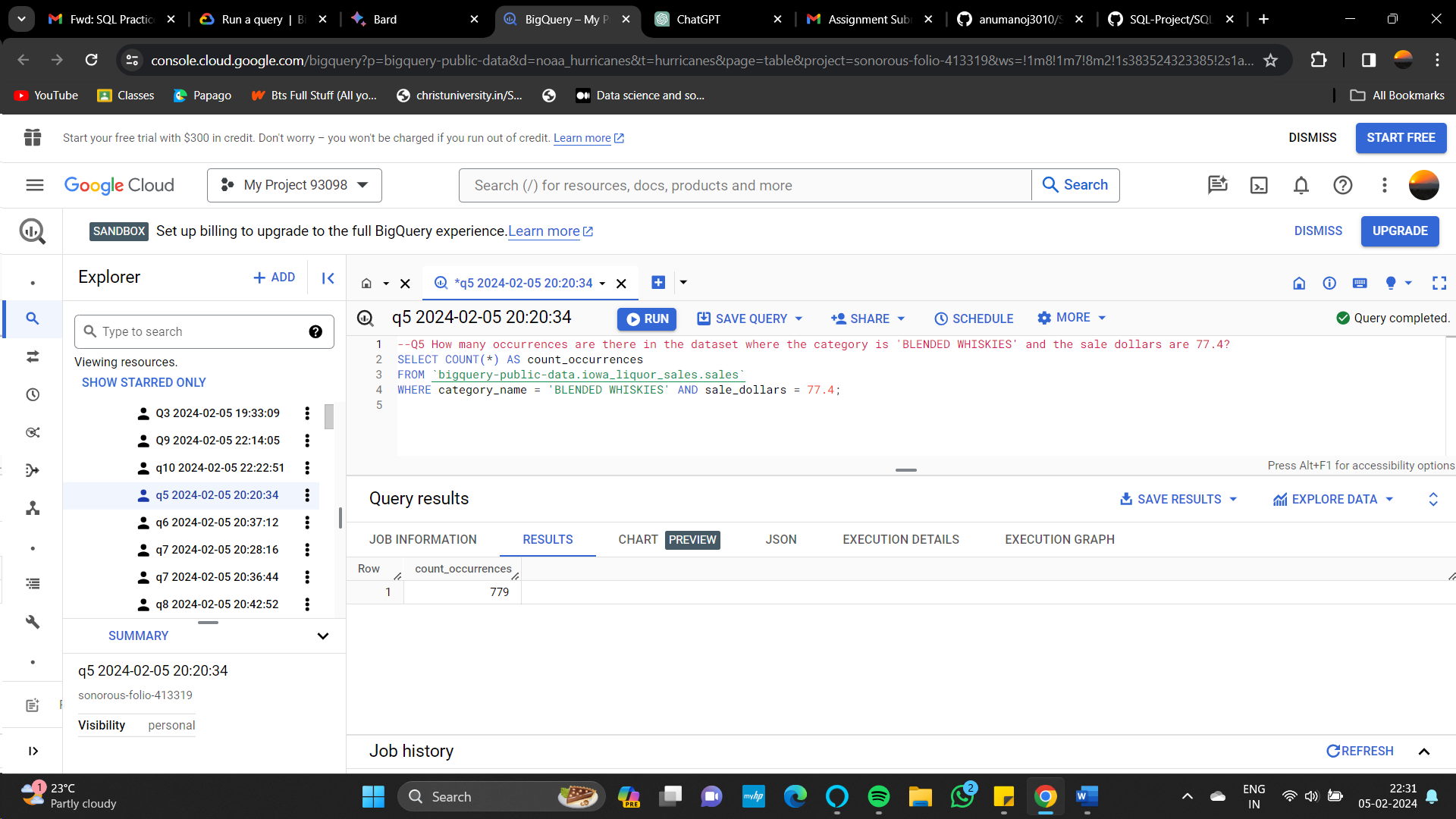


Q5. How many occurrences are there in the Iowa liquor sales dataset where the category is 'BLENDED WHISKIES' and the sale dollars are 77.4?

SELECT COUNT(\*) AS count\_occurrences

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE category\_name = 'BLENDED WHISKIES' AND sale\_dollars = 77.4;

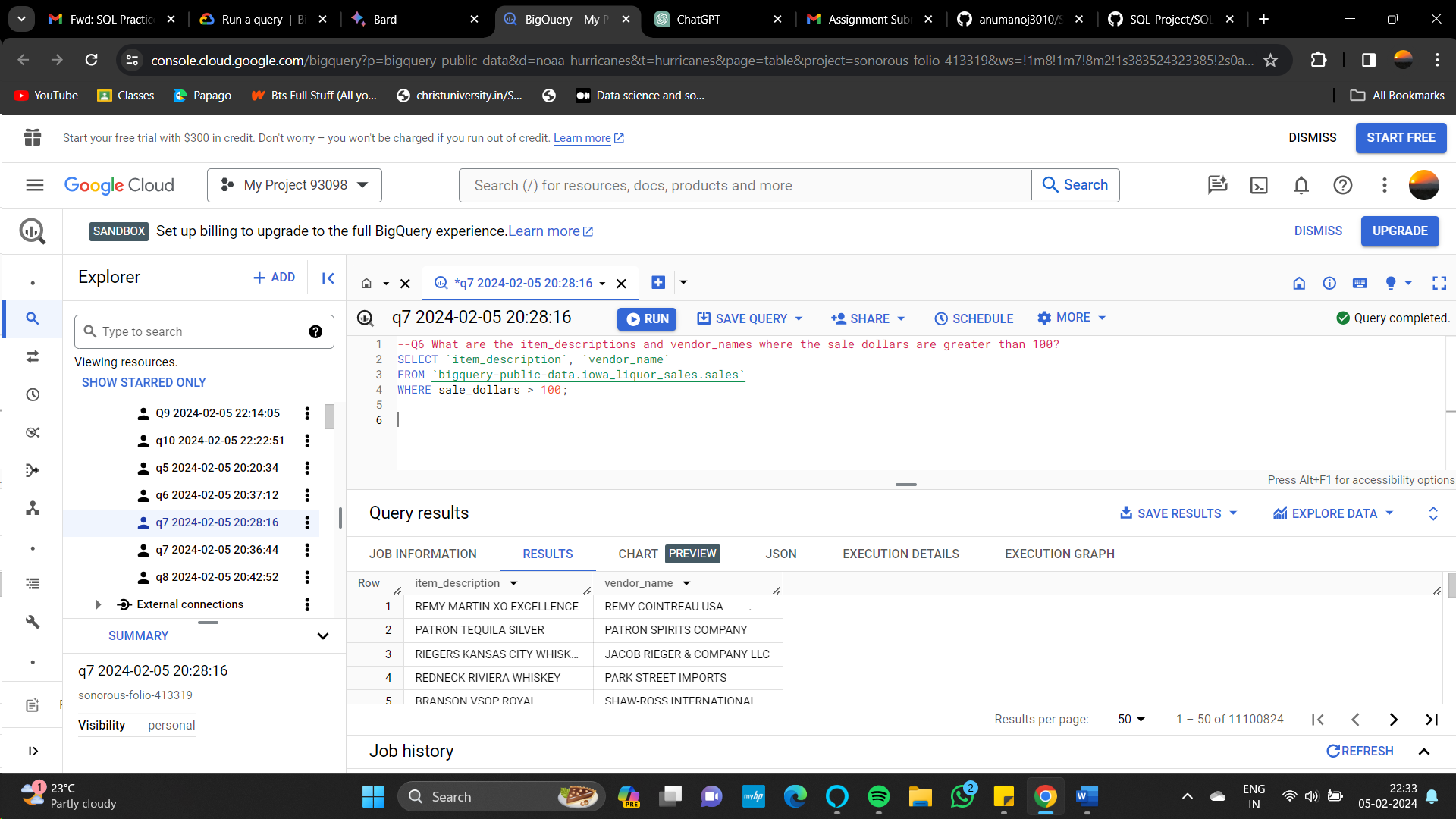


Q6. What are the item\_descriptions and vendor\_names of items in the Iowa liquor sales dataset where the sale dollars are greater than 100?

SELECT `item\_description`, `vendor\_name`

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE sale\_dollars > 100;

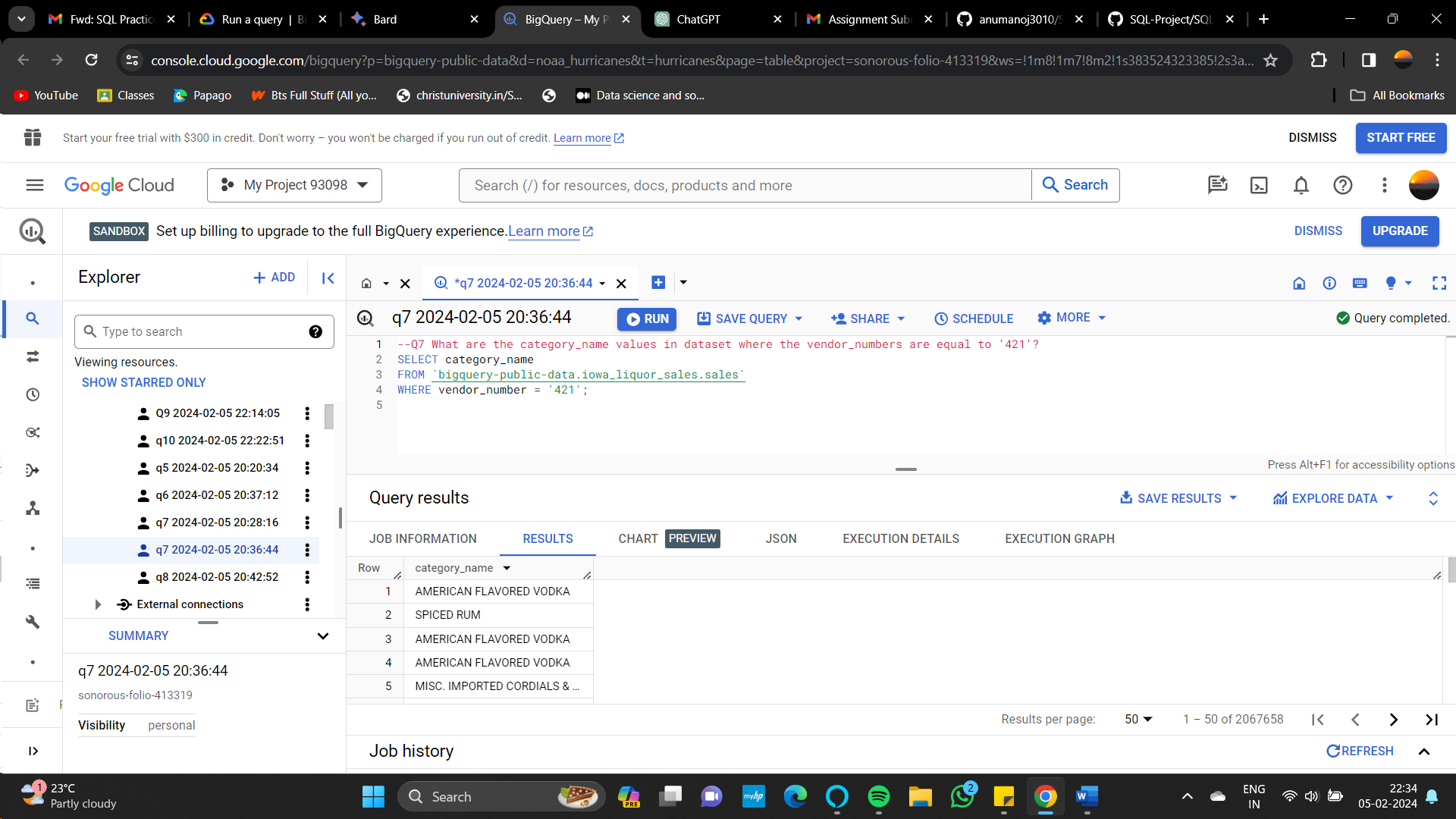


Q7. What are the category\_name values in the Iowa liquor sales dataset where the vendor\_numbers are equal to '421'?

SELECT category\_name

FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

WHERE vendor\_number = '421';

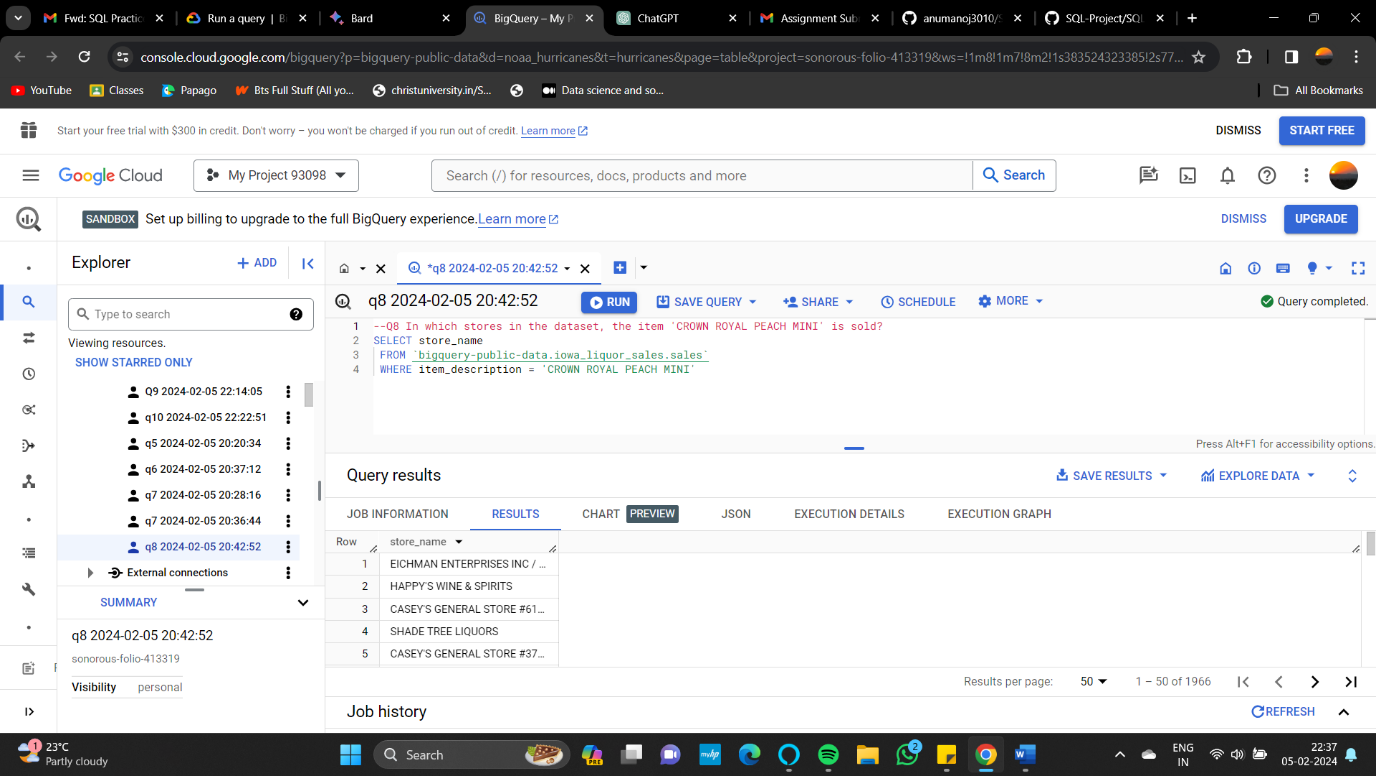


Q8. In which stores in the dataset, the item 'CROWN ROYAL PEACH MINI' is sold?

SELECT store\_name

 FROM `bigquery-public-data.iowa\_liquor\_sales.sales`

 WHERE item\_description = 'CROWN ROYAL PEACH MINI'



**Dataset 2: the Austin Bikeshare dataset**

**Join queries**

Q9. How many trips start at each bikeshare station in Council District 9 in the dataset?

SELECT A.start\_station\_id, COUNT(A.trip\_id) AS trip\_count

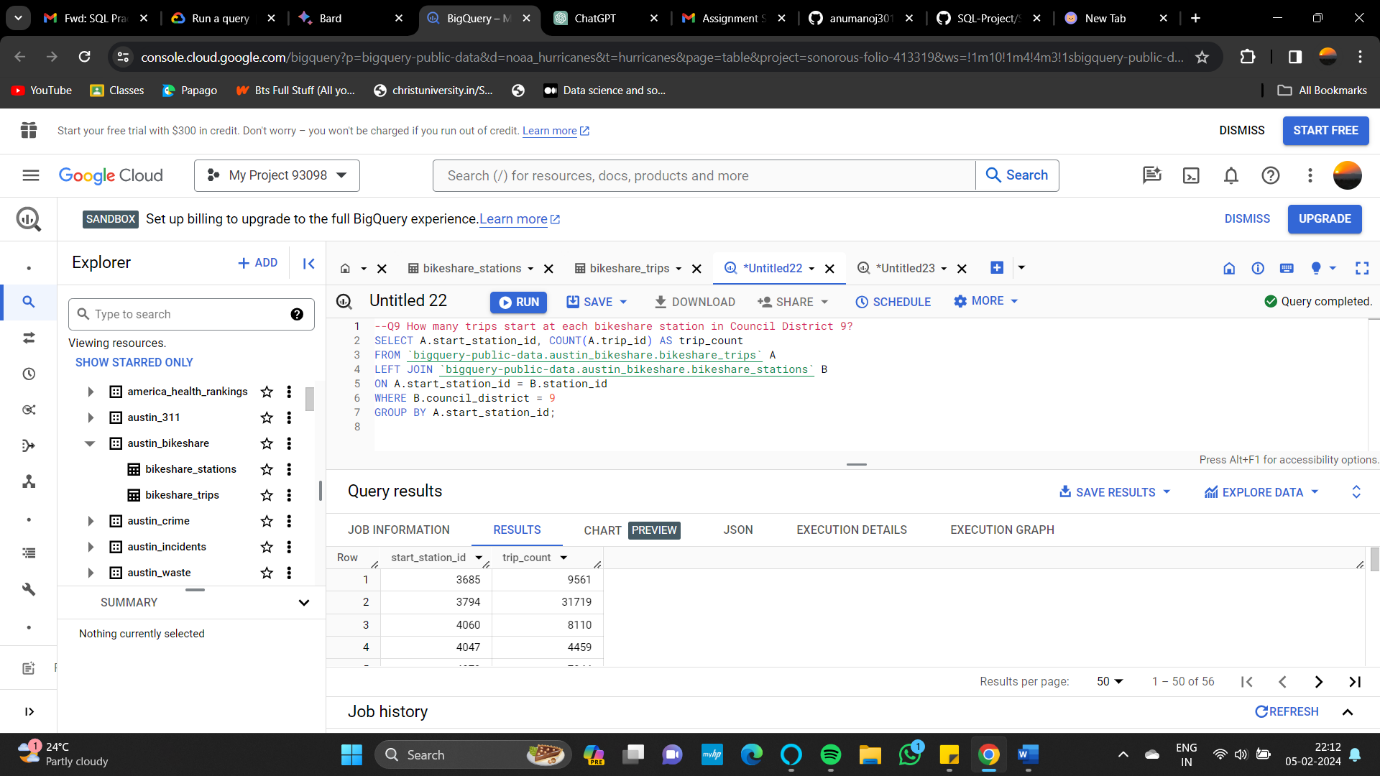
FROM `bigquery-public-data.austin\_bikeshare.bikeshare\_trips` A

LEFT JOIN `bigquery-public-data.austin\_bikeshare.bikeshare\_stations` B

ON A.start\_station\_id = B.station\_id

WHERE B.council\_district = 9

GROUP BY A.start\_station\_id;



Q10. What are the names of bikeshare stations in Austin where the trips have a duration greater than 10 minutes and are marked as 'active'?

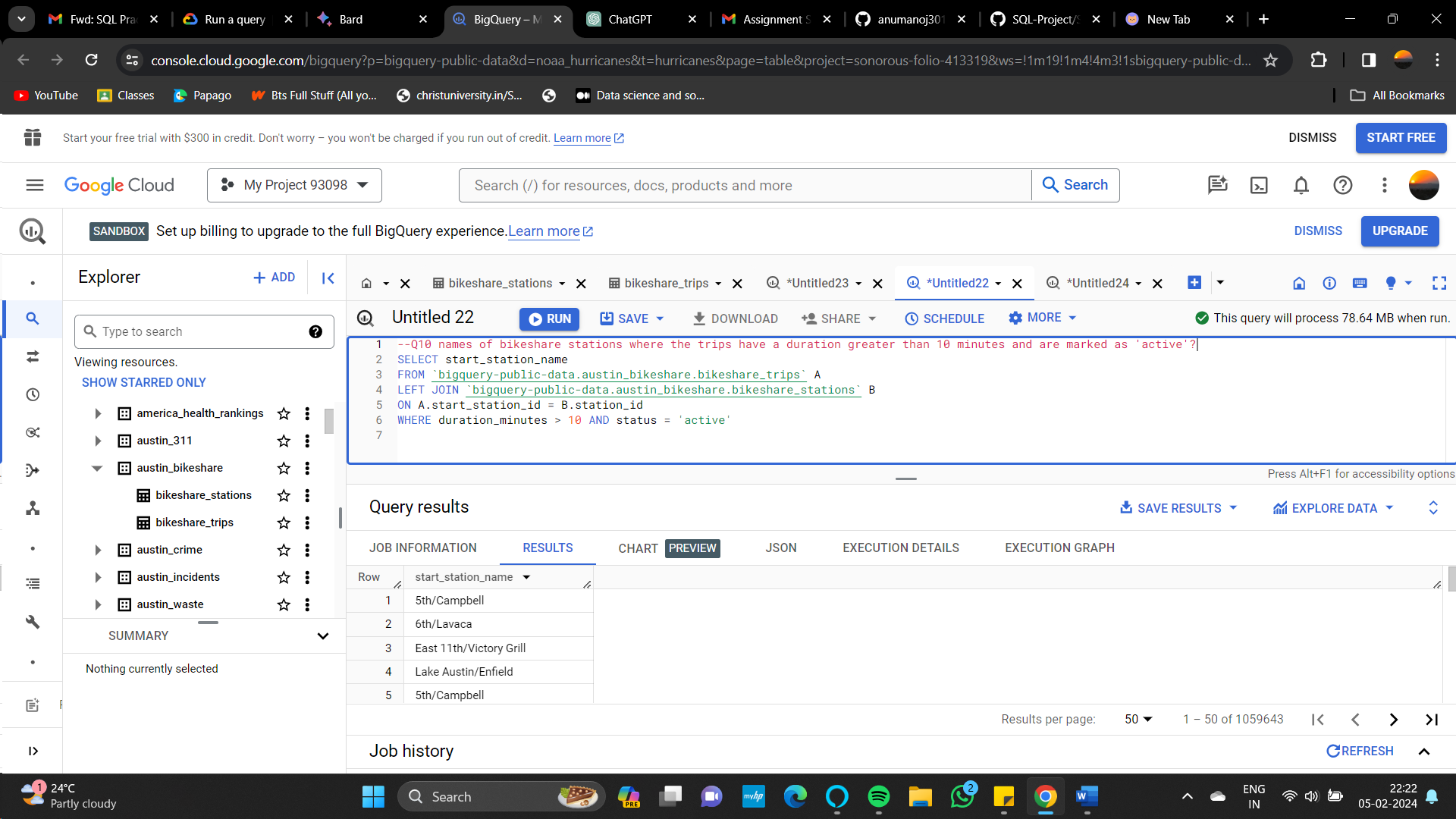
SELECT start\_station\_name

FROM `bigquery-public-data.austin\_bikeshare.bikeshare\_trips` A

LEFT JOIN `bigquery-public-data.austin\_bikeshare.bikeshare\_stations` B

ON A.start\_station\_id = B.station\_id

WHERE duration\_minutes > 10 AND status = 'active'



**Query links:**

<https://console.cloud.google.com/bigquery?sq=383524323385:3b2732e6809f4f0db351a60f1cc3850a>

<https://console.cloud.google.com/bigquery?sq=383524323385:20b1725b1203471ea1e3f38d6b863652>

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