



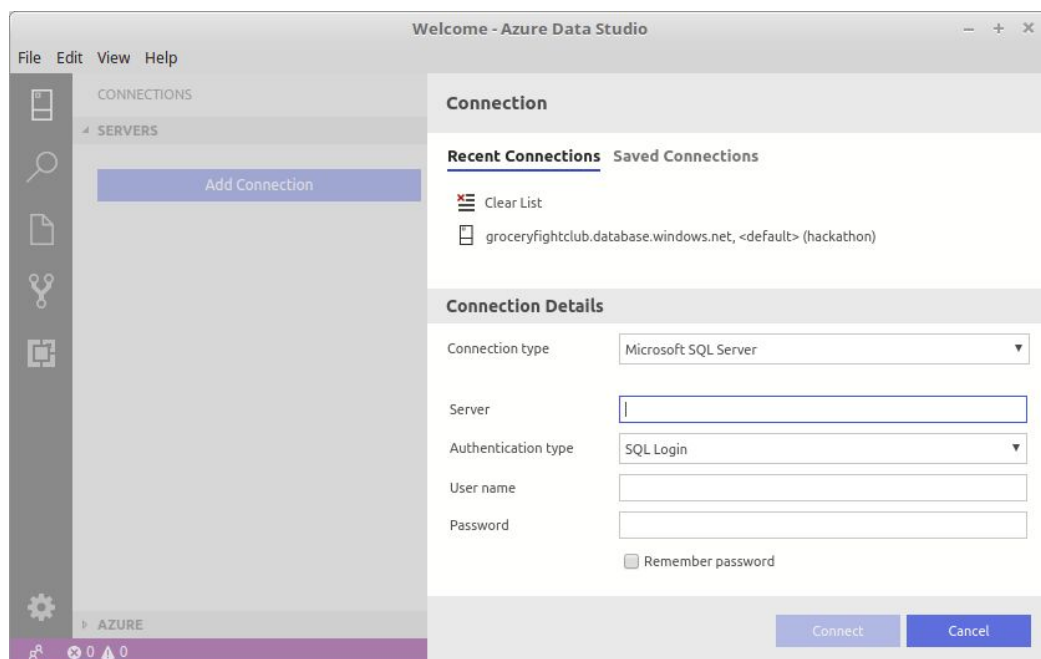
HACKATHON

THE GROCERY FIGHT CLUB

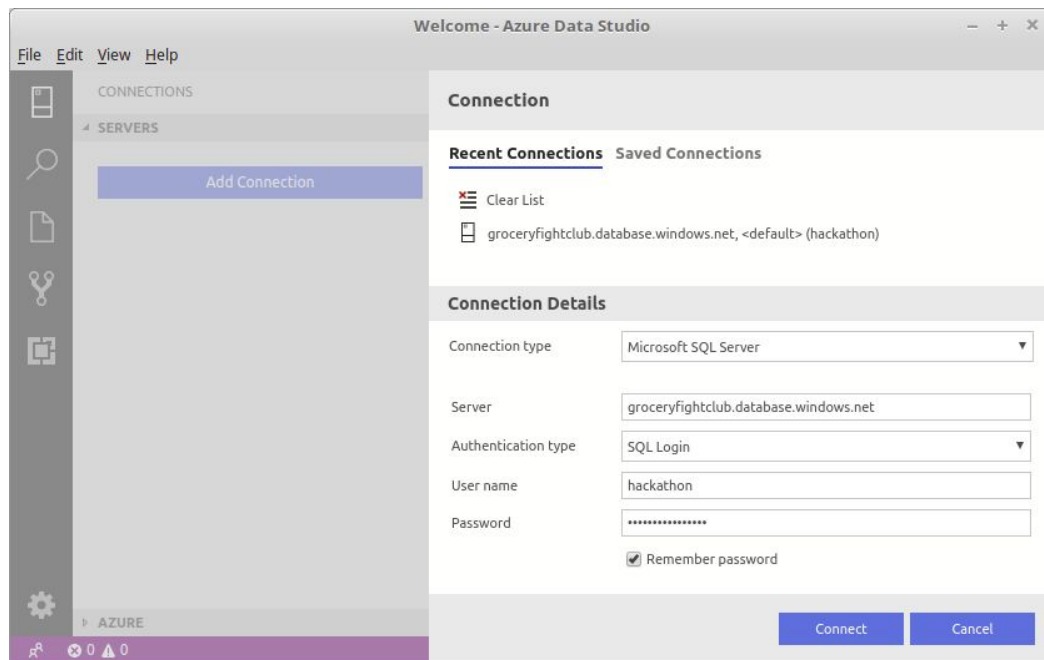
BY SONGWANG

AZURE DATA STUDIO TUTORIAL

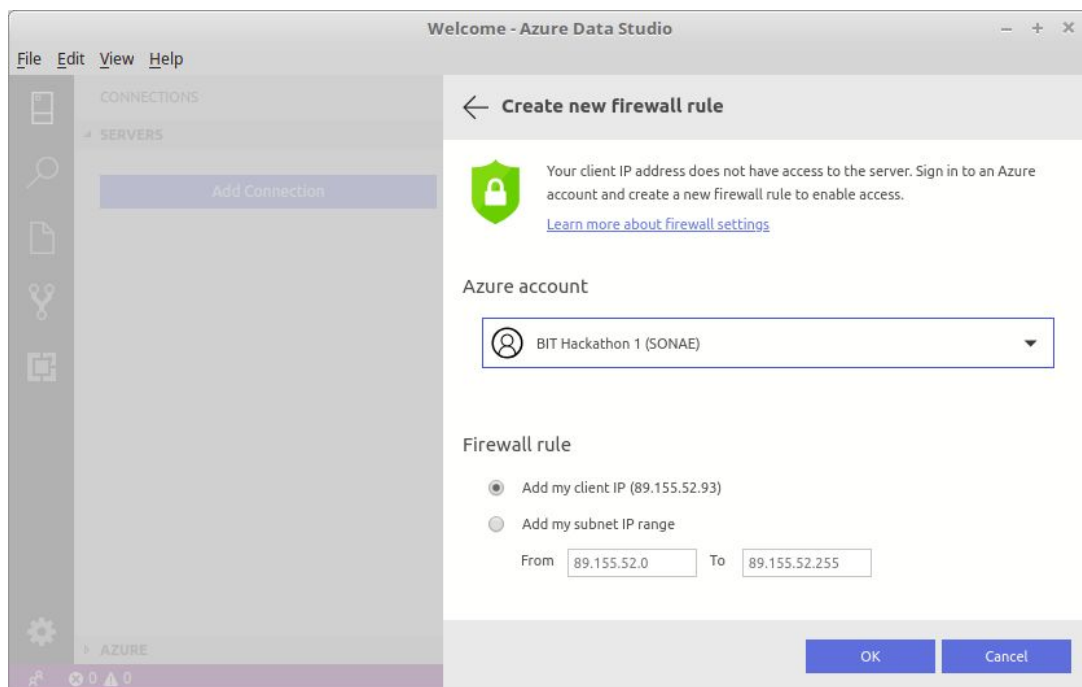
1. Download and Install Azure Data Studio (available for Windows, Linux and macOS)
 - a. <https://docs.microsoft.com/en-us/sql/azure-data-studio/download?view=sql-server-2017>
2. Open Azure Data Studio



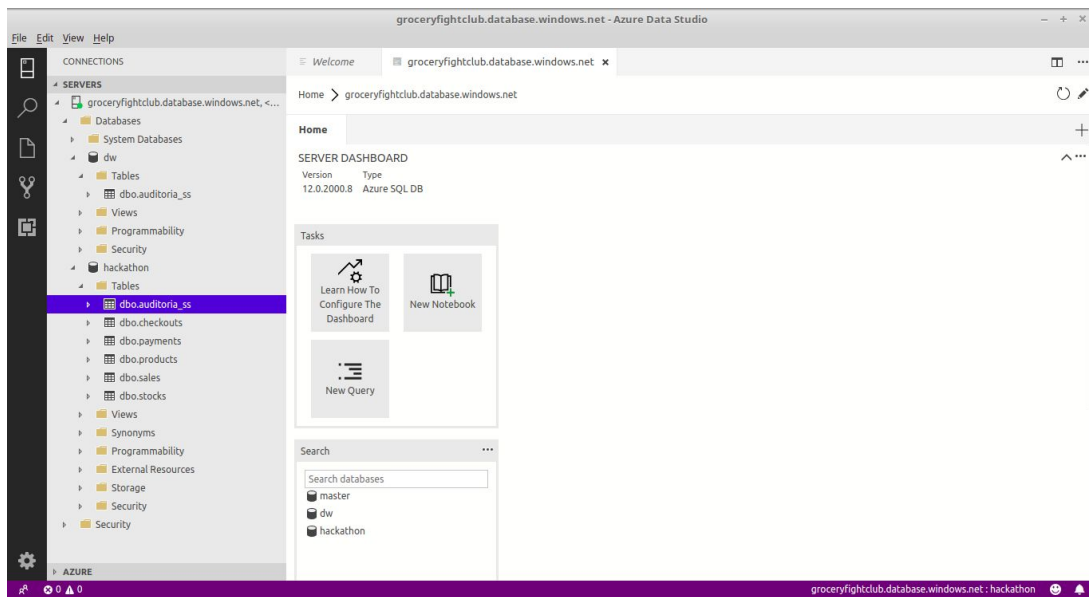
3. Configure Server, Username and Password (provided by the organisers)



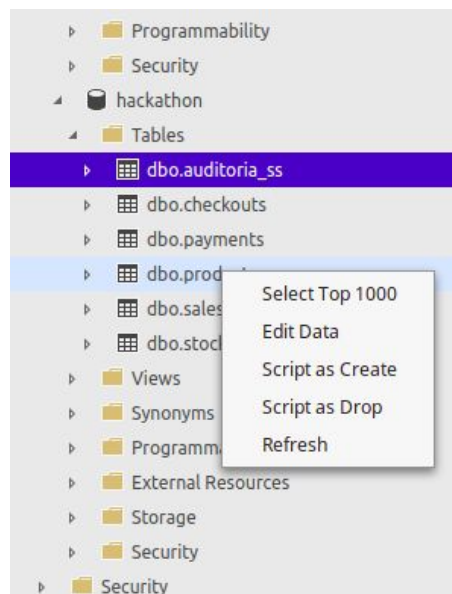
4. Create the Firewall Rule (first login) with the provided email.



5. You are ready to explore the datasets! :)



6. Now you can do a quick test run: Run a query with the top 1000 products.



7. You should see the following result.

The screenshot shows a SQL query window titled "SQLQuery_1 - grocer...kathon". The query is a SELECT statement with the following columns: product_key, sku, product_dsc, parent_product_key, product_type, product_short_dsc, standard_uom, and uom_con_fac. The results are displayed in a table with 10 rows. The first row is highlighted.

	product_key	sku	product_dsc	parent_product_key	product_type	product_short_dsc	standard_uom	uom_con_fac
1	1000600010001	1000600	MOV. SECCAO 6	1000600010001	S	SECCAO 6	UN	-1.00000
2	1003100010001	1003100	MOV. SECCAO 31	1003100010001	S	SECCAO 31	UN	-1.00000
3	1003900010001	1003900	MOV. SECCAO 39	1003900010001	S	SECCAO 39	UN	-1.00000
4	1005300010001	1005300	MOV. SECCAO 53	1005300010001	S	SECCAO 53	UN	-1.00000
5	1006400010001	1006400	MOV. SECCAO 64	1006400010001	S	SECCAO 64	UN	-1.00000
6	1008600010001	1008600	MOV. SECCAO 86	1008600010001	S	SECCAO 86	UN	-1.00000
7	1009700010001	1009700	MOV. SECCAO 97	1009700010001	S	SECCAO 97	UN	-1.00000
8	16010001	16	NA	16010001	S	NA	NA	-1.00000
9	2000863010001	2000863	LULAS CALDEIRADA VASCO GA...	2000863010001	S	LULA VASCO GAMA	UN	-1.00000
10	2001120010001	2001120	SADD AZETTE VASCO DA GAMA	2001120010001	S	SADD VASCO GAMA	UN	-1.00000

MESSAGES

10:58:04 PM Started executing query at Line 1
(1000 rows affected)
Total execution time: 00:00:02.814

8. On the right, you can export the data to multiple formats (CSV, Excel, JSON, XML, Chart)

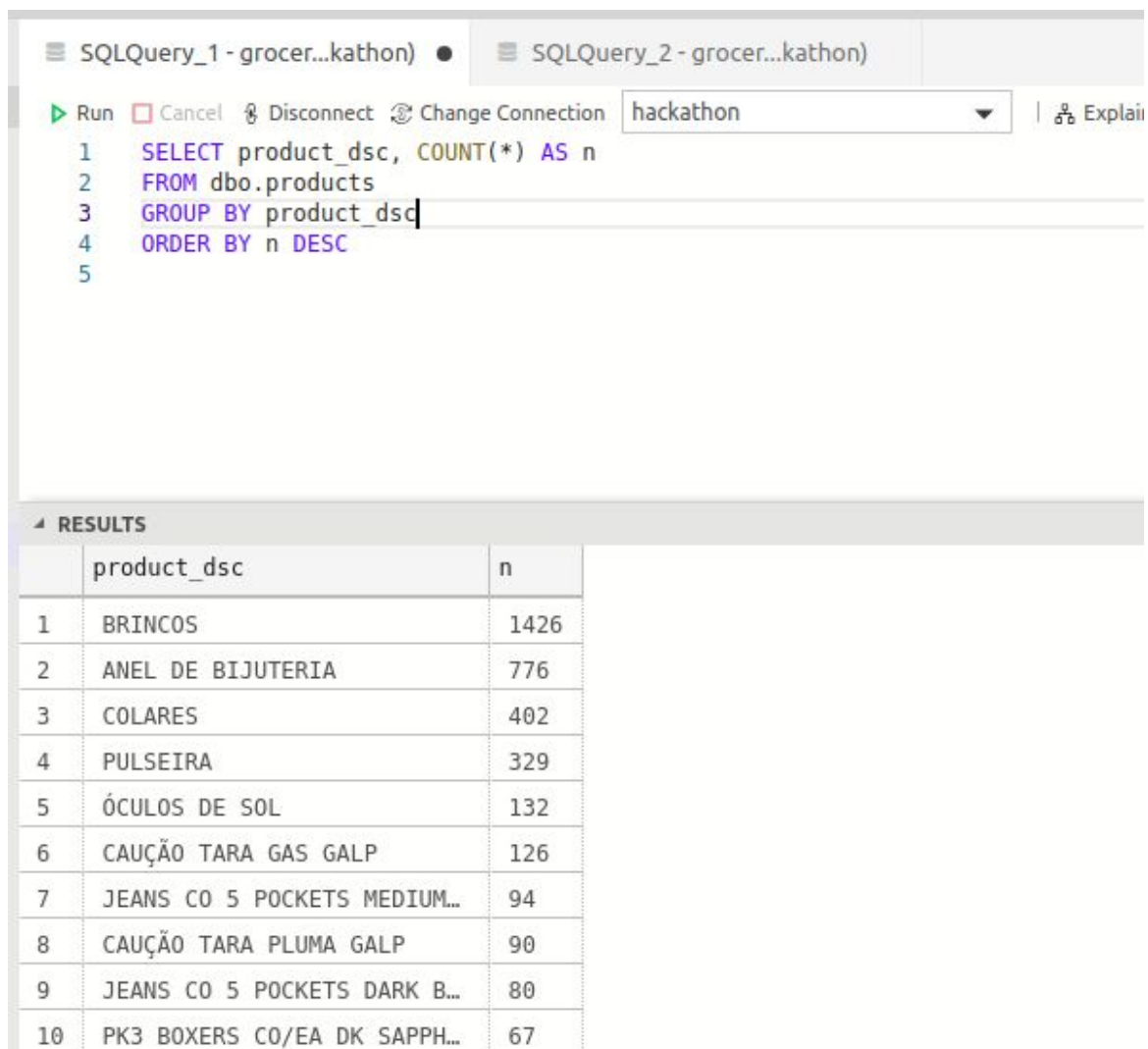
The screenshot shows a SQL query window titled "SQLQuery_1 - grocer...kathon". The query is a SELECT statement with the following columns: product_key, sku, product_dsc, parent_product_key, product_type, product_short_dsc, standard_uom, and uom_con_fac. The results are displayed in a table with 10 rows. The first row is highlighted. A "Save As Excel" button is visible next to the first row.

	product_key	sku	product_dsc	parent_product_key	product_type	product_short_dsc	standard_uom	uom_con_fac
1	1000600010001	1000600	MOV. SECCAO 6	1000600010001	S	SECCAO 6	UN	-1.00000
2	1003100010001	1003100	MOV. SECCAO 31	1003100010001	S	SECCAO 31	UN	-1.00000
3	1003900010001	1003900	MOV. SECCAO 39	1003900010001	S	SECCAO 39	UN	-1.00000
4	1005300010001	1005300	MOV. SECCAO 53	1005300010001	S	SECCAO 53	UN	-1.00000
5	1006400010001	1006400	MOV. SECCAO 64	1006400010001	S	SECCAO 64	UN	-1.00000
6	1008600010001	1008600	MOV. SECCAO 86	1008600010001	S	SECCAO 86	UN	-1.00000
7	1009700010001	1009700	MOV. SECCAO 97	1009700010001	S	SECCAO 97	UN	-1.00000
8	16010001	16	NA	16010001	S	NA	NA	-1.00000
9	2000863010001	2000863	LULAS CALDEIRADA VASCO GA...	2000863010001	S	LULA VASCO GAMA	UN	-1.00000
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MESSAGES

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9. Example 2: Distinct products ordered by quantity.



The screenshot shows a SQL query editor with two tabs: "SQLQuery_1 - grocer...kathon" and "SQLQuery_2 - grocer...kathon". The active tab is "SQLQuery_2 - grocer...kathon". The query is as follows:

```
1 SELECT product_dsc, COUNT(*) AS n
2 FROM dbo.products
3 GROUP BY product_dsc
4 ORDER BY n DESC
5
```

Below the query editor, the "RESULTS" section displays a table with 10 rows and 2 columns: "product_dsc" and "n".

	product_dsc	n
1	BRINCOS	1426
2	ANEL DE BIJUTERIA	776
3	COLARES	402
4	PULSEIRA	329
5	ÓCULOS DE SOL	132
6	CAUÇÃO TARA GAS GALP	126
7	JEANS CO 5 POCKETS MEDIUM...	94
8	CAUÇÃO TARA PLUMA GALP	90
9	JEANS CO 5 POCKETS DARK B...	80
10	PK3 BOXERS CO/EA DK SAPPH...	67