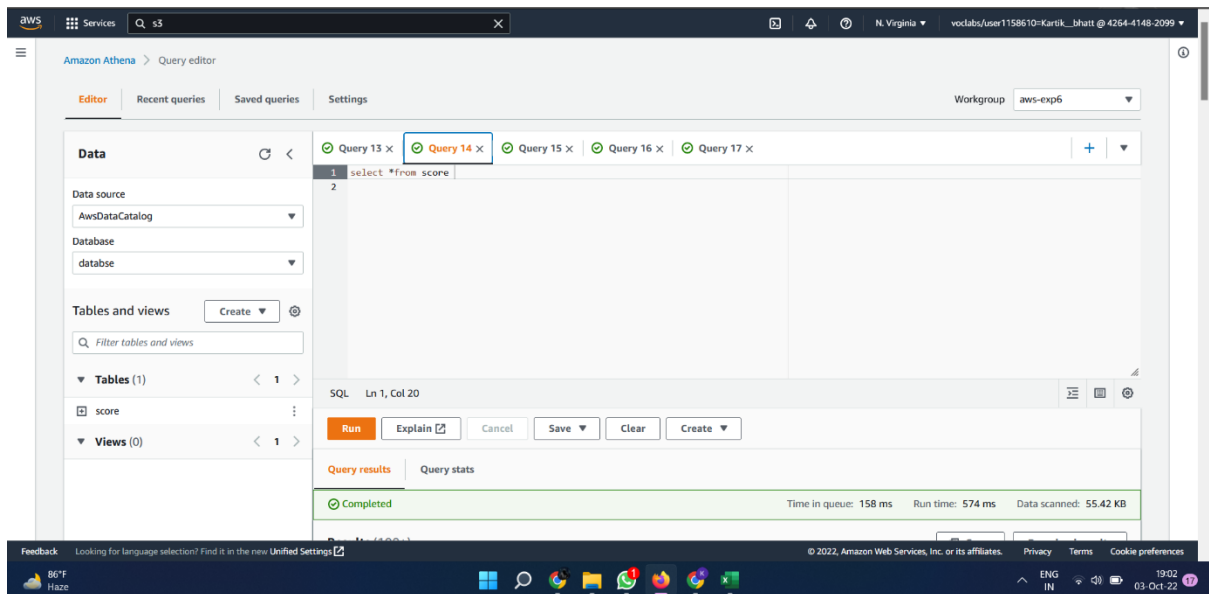


Ex 6:Querying Data in S3 with Amazon Athena

- Display all name



#	gender	race	loc	lunch	test_preparation	course	math_score	reading_score
2	male	group A	high school	standard	completed	67	67	63
3	female	group D	some high school	free/reduced	none	40	59	55
4	male	group E	some college	free/reduced	none	59	60	50
5	male	group B	high school	standard	none	77	78	68
6	male	group E	associate's degree	standard	completed	78	73	68
7	female	group D	high school	standard	none	63	77	76
8	female	group A	bachelor's degree	standard	none	62	59	63
9	male	group E	some college	standard	completed	93	88	84
10	male	group D	high school	standard	none	63	56	65
11	male	group C	some college	free/reduced	none	47	42	45
12	male	group E	some college	standard	completed	99	83	85
13	female	group D	high school	standard	completed	80	87	90
14	male	group D	associate's degree	standard	completed	77	87	85
15	male	group C	high school	standard	completed	74	74	73

- Display all names with total score greater than 190

The screenshot displays the Amazon Athena Query Editor interface. The top navigation bar shows the AWS logo, 'Services', a search bar with 's3', and the user's location 'N. Virginia' and account ID 'voclabs/user1158610:Kantik_khatt @ 4264-4148-2099'. The main header indicates 'Amazon Athena > Query editor' with tabs for 'Editor', 'Recent queries', 'Saved queries', and 'Settings'. The 'Workgroup' is set to 'aws-exp6'.

In the 'Data' panel on the left, the 'Data source' is 'AwsDataCatalog', the 'Database' is 'database', and the 'Tables and views' section shows a table named 'score'. The 'Query editor' shows a SQL query: `select *from score where reading_score>math_score:=190`. The query is highlighted as 'Query 15'. Below the query editor, the 'Query results' section shows the query is 'Completed' with a 'Time in queue: 130 ms', 'Run time: 480 ms', and 'Data scanned: 55.42 KB'.

The 'Results (57)' panel displays a table with 14 rows and 10 columns: #, gender, race, loe, lunch, test_preparation, course, math_score, reading_score, and writing_score. The data is as follows:

#	gender	race	loe	lunch	test_preparation	course	math_score	reading_score	writing_score
1	male	group D	master's degree	standard	completed	83	93	97	
2	female	group E	associate's degree	standard	completed	95	100	100	
3	female	group D	associate's degree	free/reduced	completed	83	95	100	
4	female	group E	bachelor's degree	standard	completed	100	100	100	
5	female	group D	associate's degree	standard	completed	84	98	97	
6	female	group C	master's degree	standard	none	91	100	99	
7	male	group D	bachelor's degree	standard	none	99	94	97	
8	female	group D	high school	standard	none	82	95	96	
9	female	group E	high school	standard	none	93	100	93	
10	male	group E	associate's degree	standard	completed	100	100	100	
11	female	group D	associate's degree	standard	none	85	100	100	
12	female	group C	master's degree	standard	completed	86	100	100	
13	female	group D	some college	standard	none	91	94	96	
14	male	group B	master's degree	standard	none	93	96	96	

- Display all names where math score greater than 88 and reading score greater than 90

Amazon Athena Query editor

Editor Recent queries Saved queries Settings

Workgroup: aws-exp6

Query 13 x Query 14 x Query 15 x **Query 16 x** Query 17 x

1 select * from score where math_score >88 and reading_score > 90

Data source: AwsDataCatalog Database: database

Tables and views: Create Filter tables and views

Tables (1): score Views (0)

SQL: Ln 1, Col 63

Run again Explain Cancel Save Clear Create

Query results Query stats

Completed Time in queue: 120 ms Run time: 794 ms Data scanned: 55.42 KB

Results (53)

Copy Download results

Search rows

#	gender	race	loe	lunch	test_preparation	course	math_score	reading_score	writing_score
1	male	group D	master's degree	standard	completed	83	93	97	
2	female	group E	associate's degree	standard	completed	95	100	100	
3	female	group D	associate's degree	free/reduced	completed	83	95	100	
4	female	group E	bachelor's degree	standard	completed	100	100	100	
5	female	group D	associate's degree	free/reduced	none	82	95	93	
6	female	group D	associate's degree	standard	completed	84	98	97	
7	female	group C	bachelor's degree	standard	none	83	92	91	
8	female	group C	master's degree	standard	none	86	90	93	
9	female	group D	some college	free/reduced	completed	83	93	95	
10	female	group C	master's degree	standard	none	91	100	99	
11	male	group D	bachelor's degree	standard	none	99	94	97	
12	female	group D	high school	standard	none	82	95	96	
13	female	group E	high school	standard	none	93	100	93	

- Display all names in ascending order as per math score

The screenshot shows the Amazon Athena Query Editor interface. The SQL query is:

```
1 select * from score
2 order by math_score
```

The query results are displayed in a table with the following columns: #, gender, race, lse, lunch, test_preparation, course, math_score, reading_score, and writing_score. The results are ordered by math_score in ascending order.

#	gender	race	lse	lunch	test_preparation	course	math_score	reading_score	writing_score
1	male	group C	some college	free/reduced	none	36	27	26	
2	male	group B	high school	free/reduced	none	37	28	23	
3	male	group B	some college	free/reduced	none	43	28	24	
4	female	group B	some college	free/reduced	completed	31	29	35	

The screenshot shows the Amazon Athena Query Editor interface. The SQL query is:

```
1 select * from score
2 order by math_score
```

The query results are displayed in a table with the following columns: #, gender, race, lse, lunch, test_preparation, course, math_score, reading_score, and writing_score. The results are ordered by math_score in ascending order.

#	gender	race	lse	lunch	test_preparation	course	math_score	reading_score	writing_score
1	male	group C	some college	free/reduced	none	36	27	26	
2	male	group B	high school	free/reduced	none	37	28	23	
3	male	group B	some college	free/reduced	none	43	28	24	
4	female	group B	some college	free/reduced	completed	31	29	35	
5	female	group C	some college	free/reduced	none	13	29	23	
6	male	group C	some high school	free/reduced	none	45	31	27	
7	female	group E	high school	free/reduced	none	33	32	35	
8	male	group C	some college	free/reduced	none	39	32	31	
9	male	group C	some college	free/reduced	none	30	33	33	
10	male	group A	high school	free/reduced	none	45	33	32	
11	male	group B	some high school	standard	none	36	34	28	
12	male	group B	associate's degree	standard	none	44	34	36	