**FINAL ASSIGNMENT**

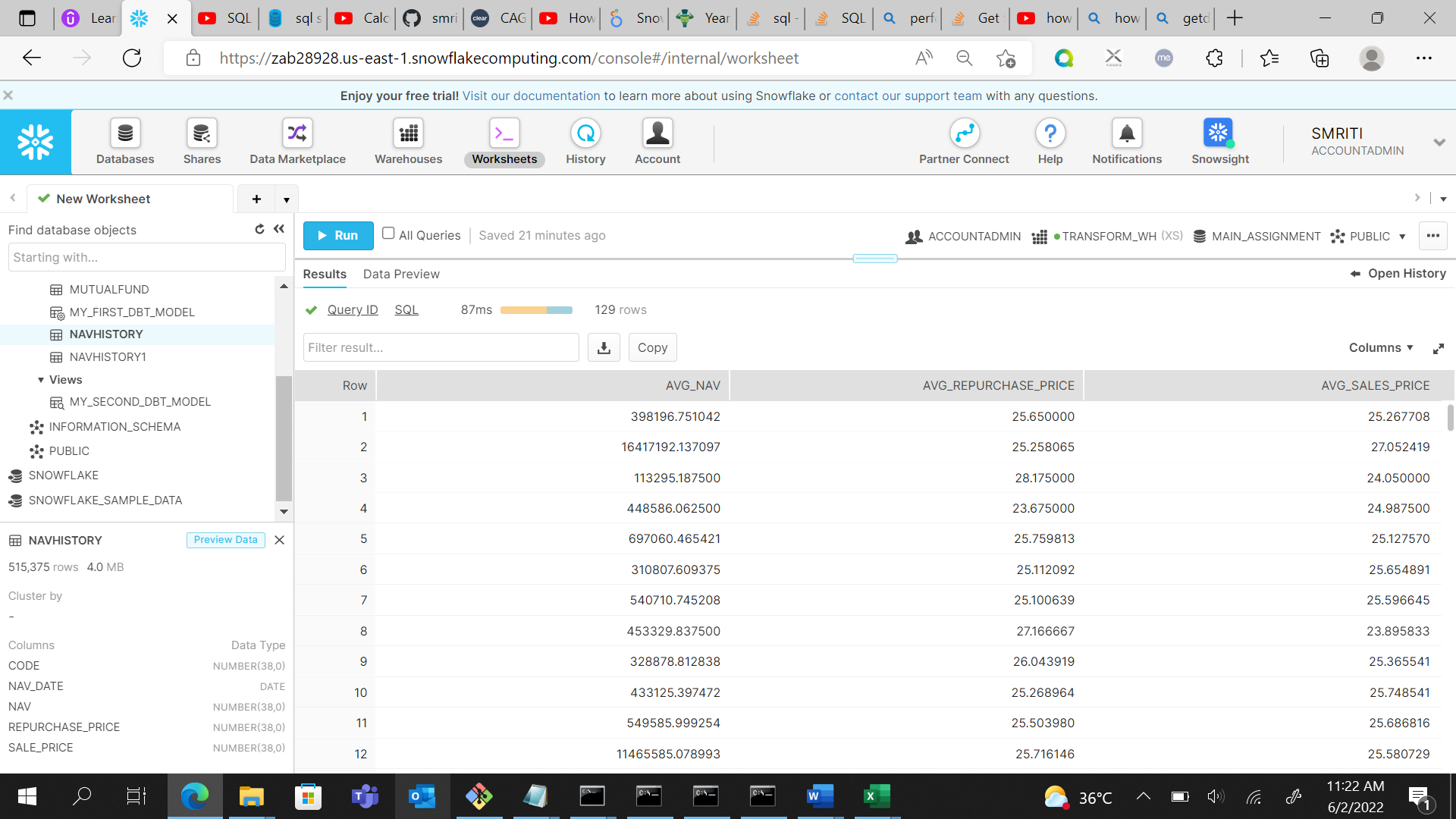
**MILESTONE-1**

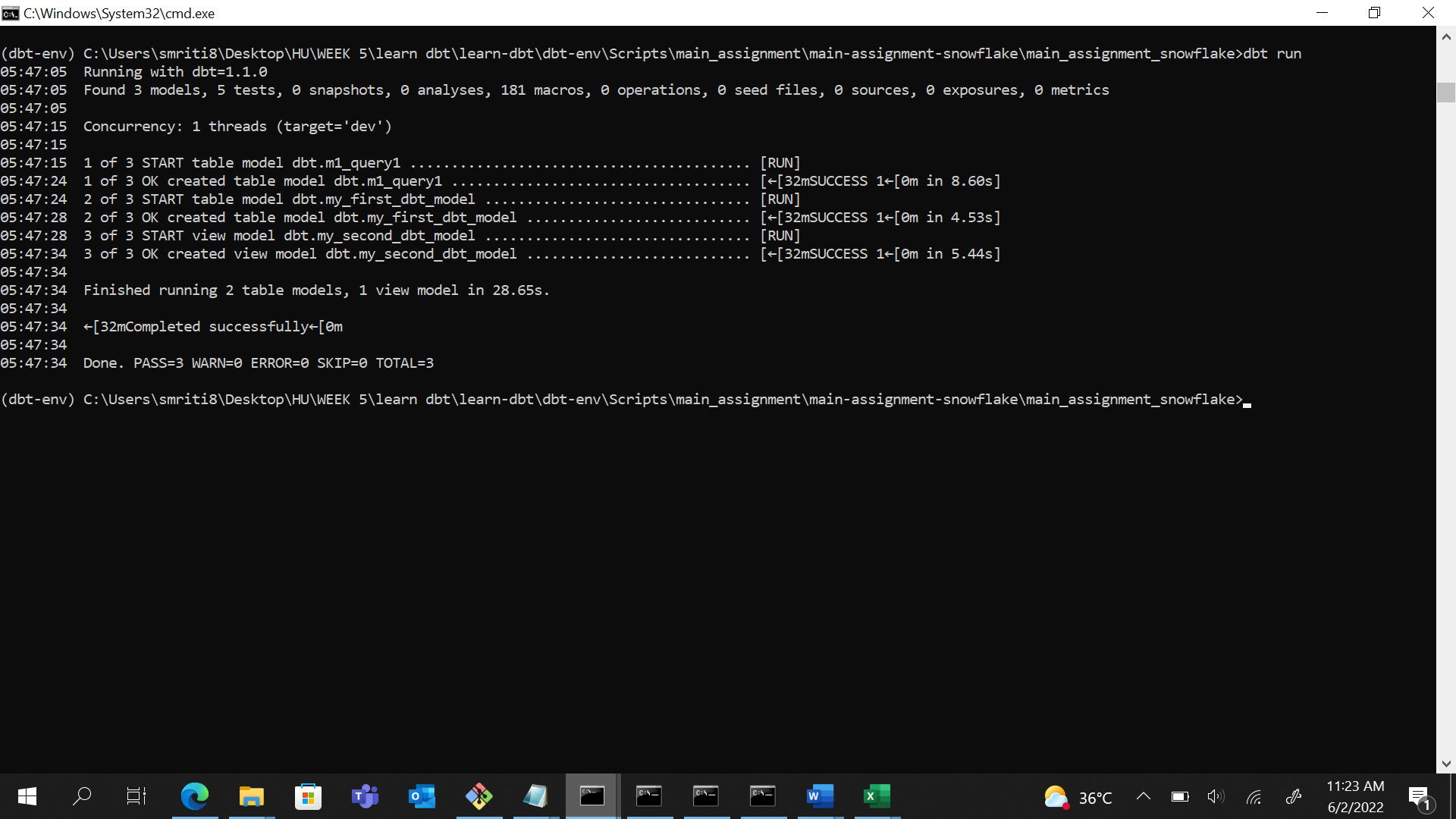
**QUERY-1:**

SELECT avg(n.nav) as avg\_nav, avg(n.repurchase\_price) as avg\_repurchase\_price, avg(n.sale\_price) as avg\_sales\_price

from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY" n left join "MAIN\_ASSIGNMENT"."DBT"."MUTUALFUND" m on n.code = m.code group by m.category\_id, month(n.nav\_date);

**OUTPUT:**



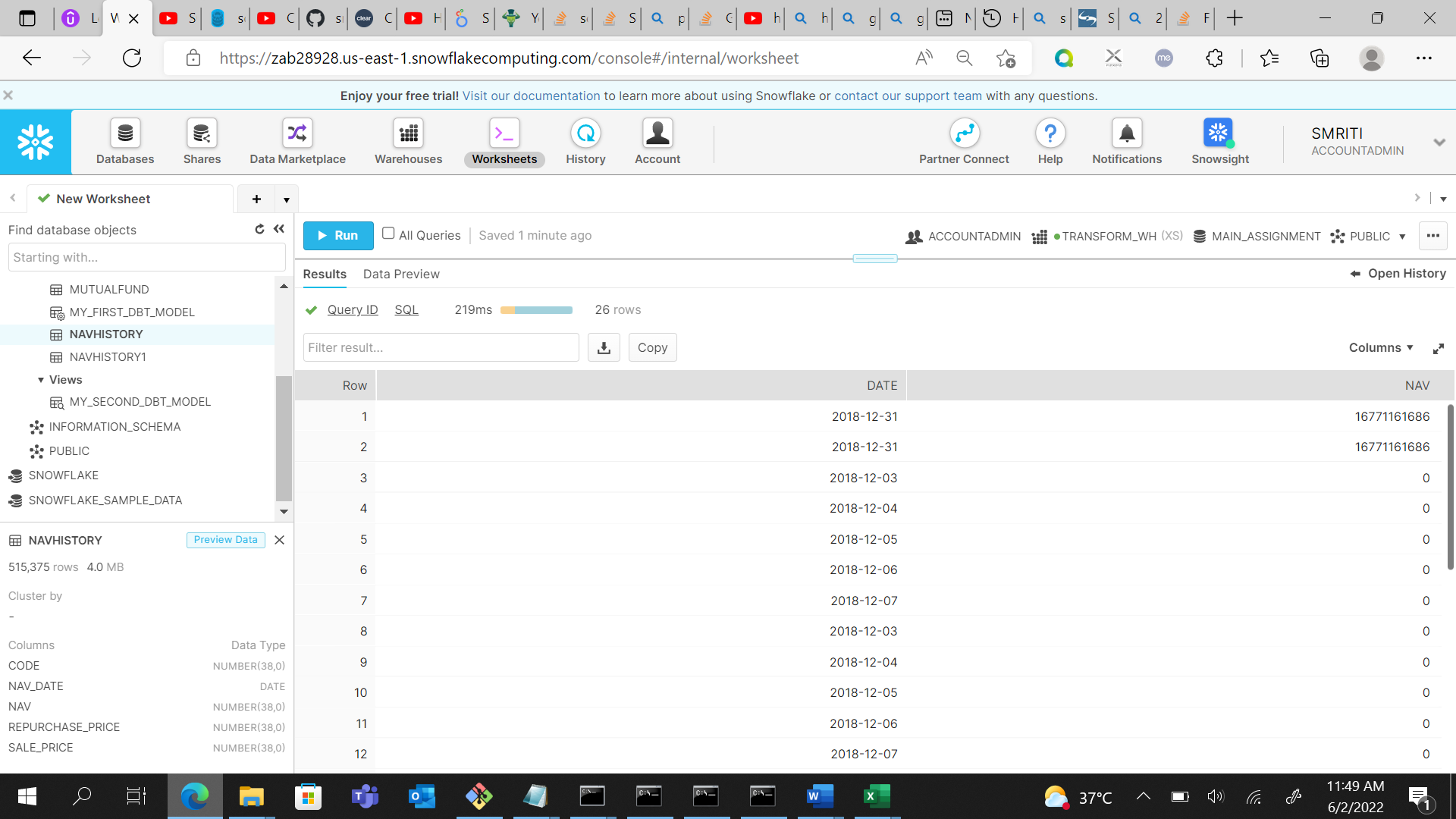


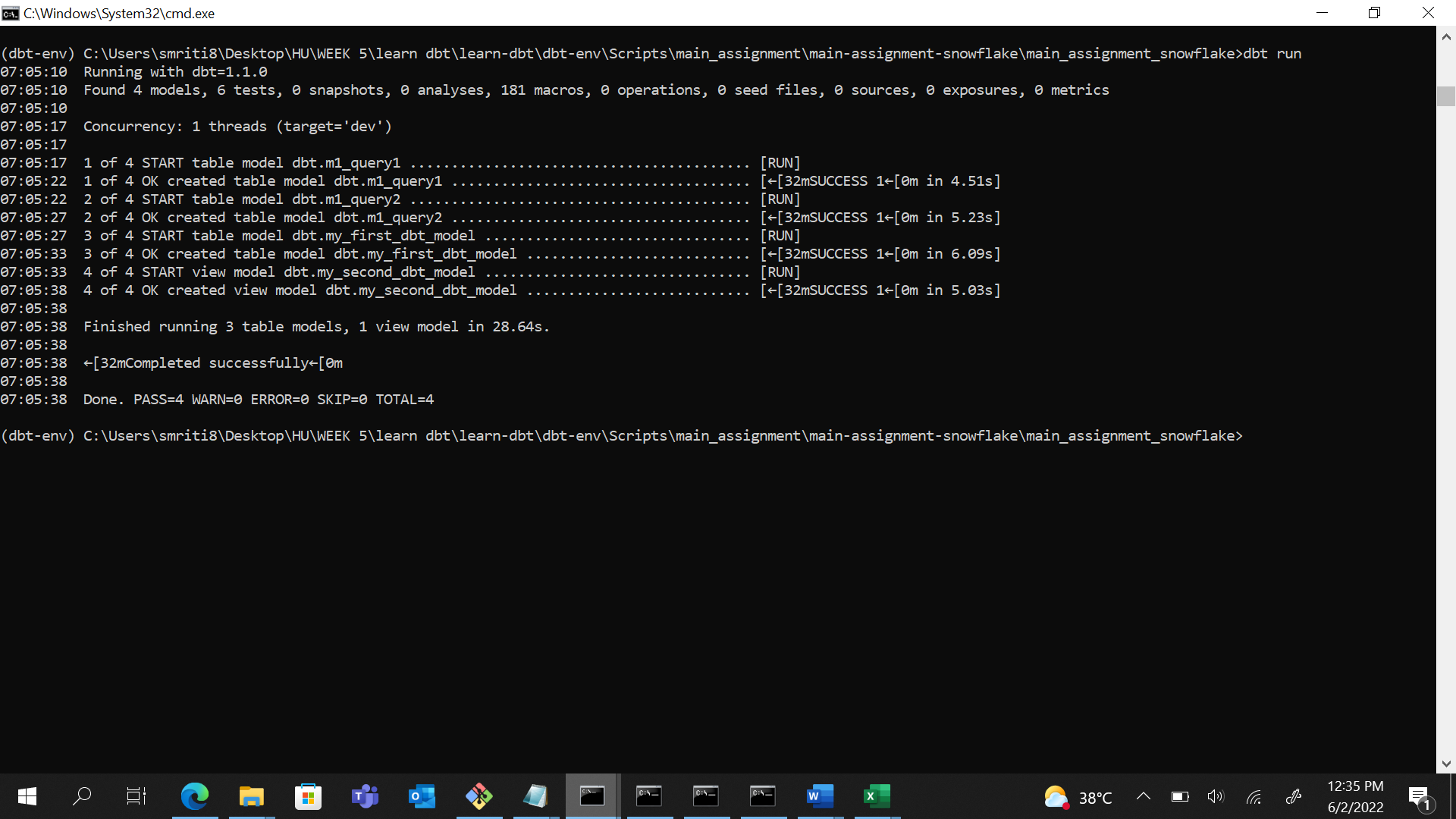
**QUERY-2:**

1. select nav\_date as date, nav from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY" where nav IN (select max(nav) as nav from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY"

UNION ALL select min(nav) as nav from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY");

**OUTPUT:**





**MILESTONE-2**

**QUERY-1:**

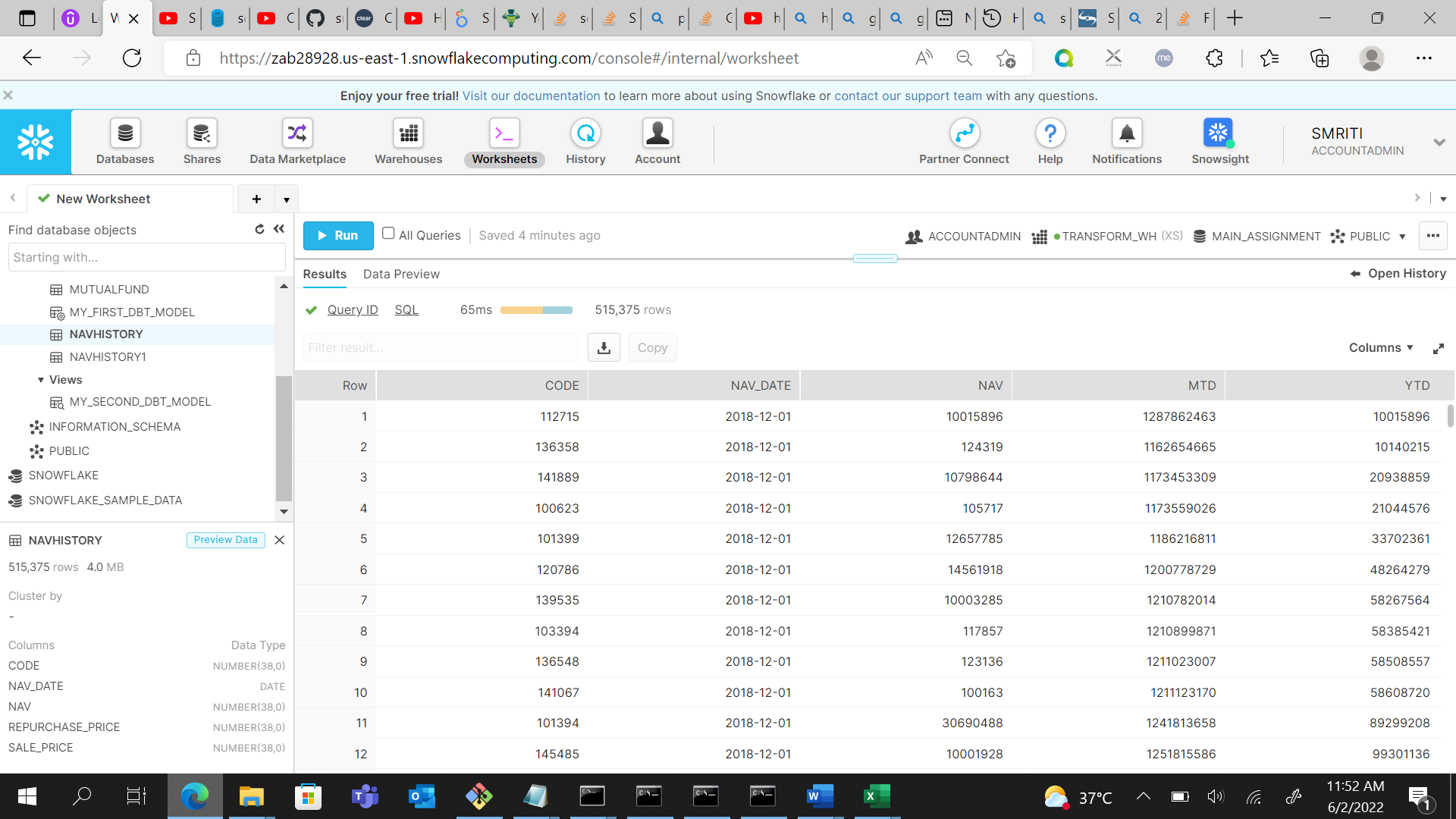
For YTD, MTD:

select code, nav\_date, nav, sum(nav) over (partition by year(nav\_date), month(nav\_date) order by nav\_date rows between unbounded preceding and current row) as mtd,

sum(nav) over (partition by year(nav\_date) order by nav\_date rows between unbounded preceding and current row) as ytd

from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY";

**OUTPUT:**



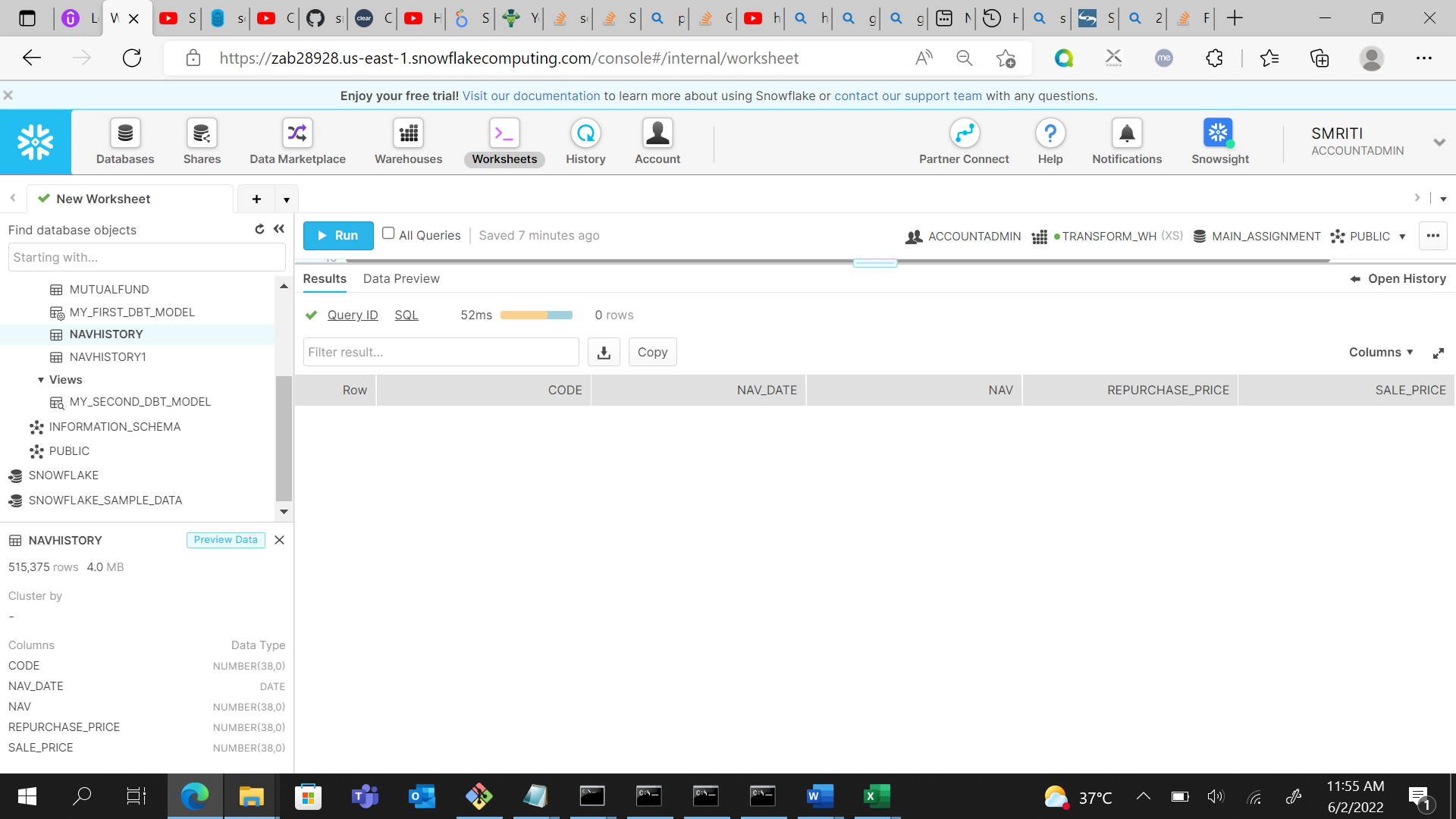
For 1 year

1. select cast(nav\_date AS DATE) = cast(DATEADD(year, -1, getdate()) AS DATE) from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY";
2. select \* from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY"

where nav\_date >= (DATEADD(year, -1, getdate()))

and nav\_date < DATEADD(Day, 1, (DATEADD(year, -1, getdate())));

**OUTPUT:**

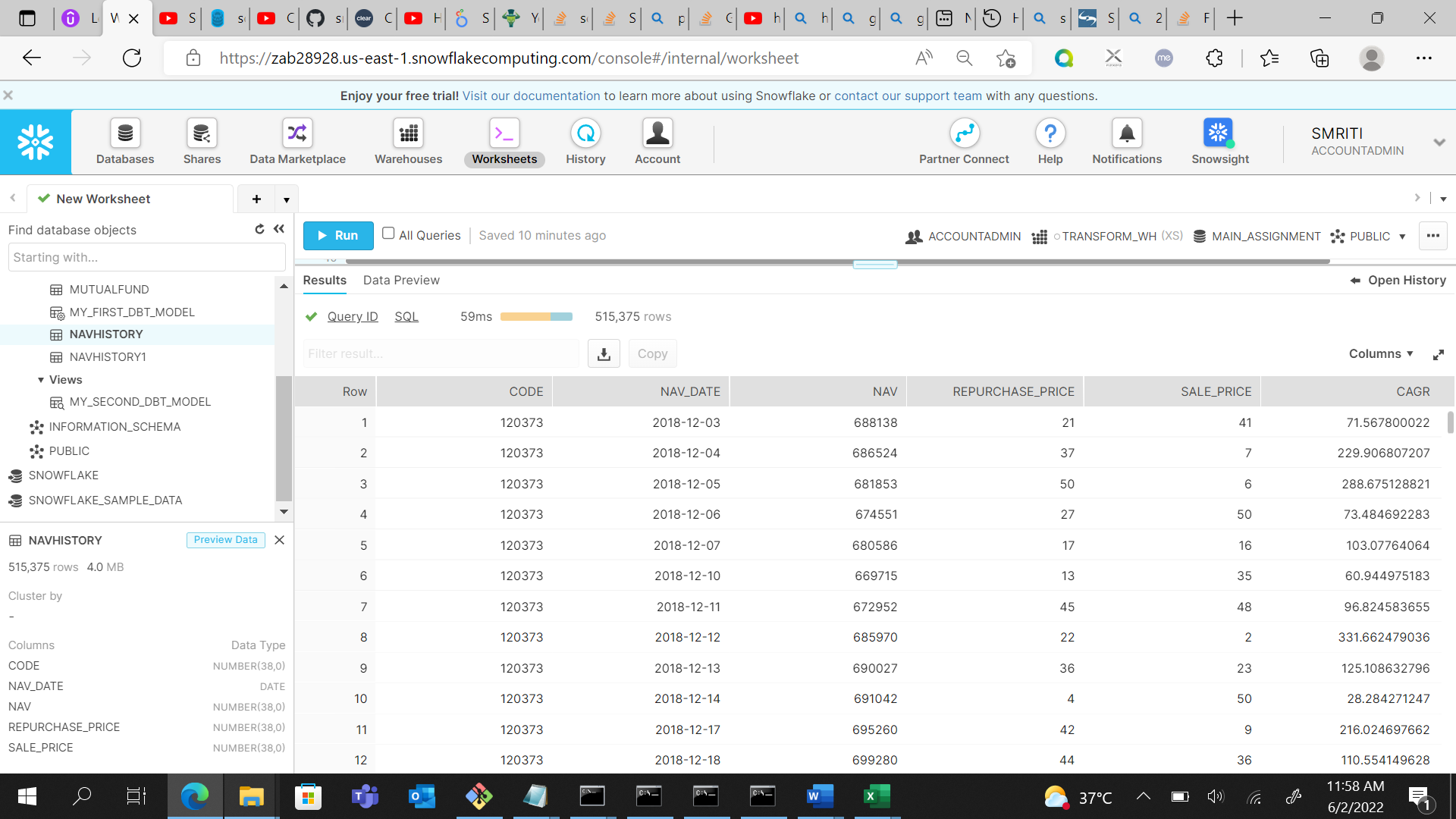


Both, are printing 0 rows as output.

For since inception return, I calculated CAGR.

select \*, power((repurchase\_price/sale\_price), (1/2))\*100 as cagr from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY";

**OUTPUT:**



**QUERY-2:**

SELECT \*, power((repurchase\_price/sale\_price), (1/2))\*100 as cagr

FROM "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY"

WHERE DATEDIFF(MONTH, nav\_date, GETDATE()) <= 3;

**OUTPUT:**

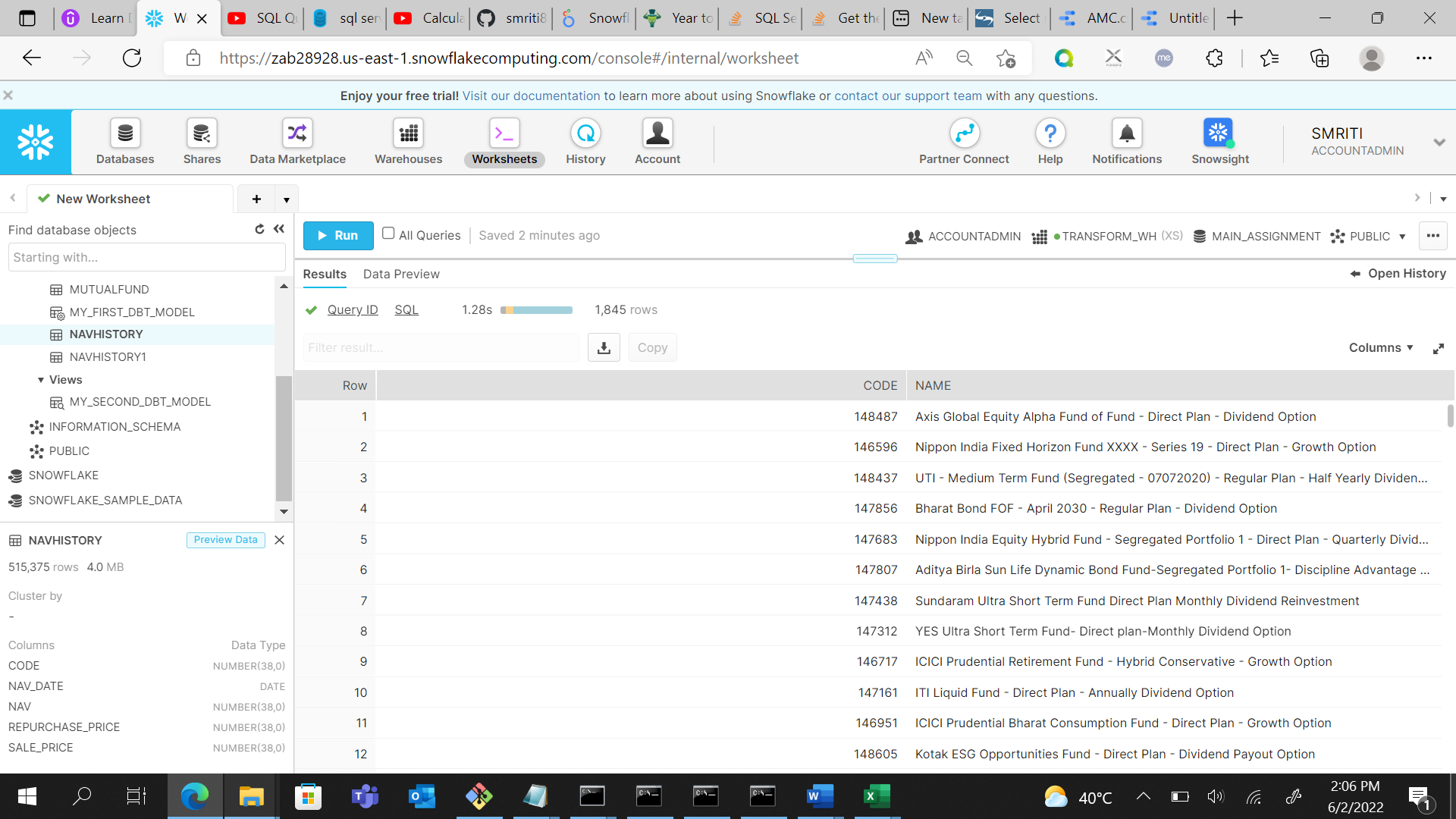
0 rows as output.

**QUERY-3**

select distinct(code), name from "MAIN\_ASSIGNMENT"."DBT"."MUTUALFUND" n where not exists

(select \* from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY" m where n.code=m.code);

**OUTPUT:**



**QUERY-4:**

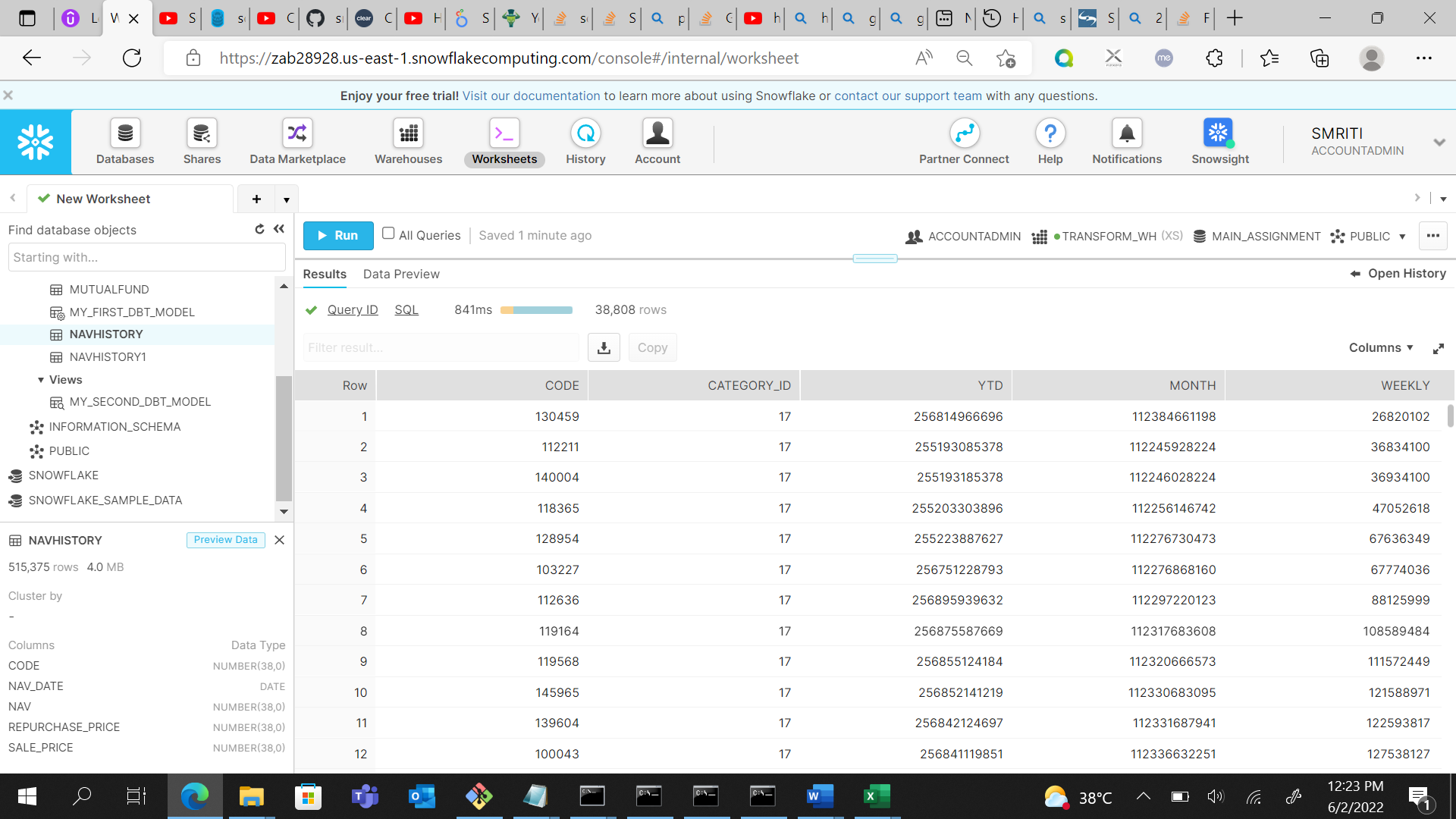
select n.code, m.category\_id, sum(n.nav) over (partition by year(n.nav\_date) order by nav\_date rows between unbounded preceding and current row) as ytd

, sum(n.nav) over (partition by month(n.nav\_date) order by nav\_date rows between unbounded preceding and current row) as month

, sum(n.nav) over (partition by week(n.nav\_date) order by nav\_date rows between unbounded preceding and current row) as weekly

from "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY" n LEFT JOIN "MAIN\_ASSIGNMENT"."DBT"."MUTUALFUND" m on n.code = m.code where m.category\_id = 2 or m.category\_id = 17;

**OUTPUT:**



**QUERY-5**

select power((repurchase\_price/sale\_price), (1/2))\*100 as cagr, m.name FROM "MAIN\_ASSIGNMENT"."DBT"."NAVHISTORY" n

right join "MAIN\_ASSIGNMENT"."DBT"."MUTUALFUND" m on n.code=m.code where name like '%annual%';

**OUTPUT:**