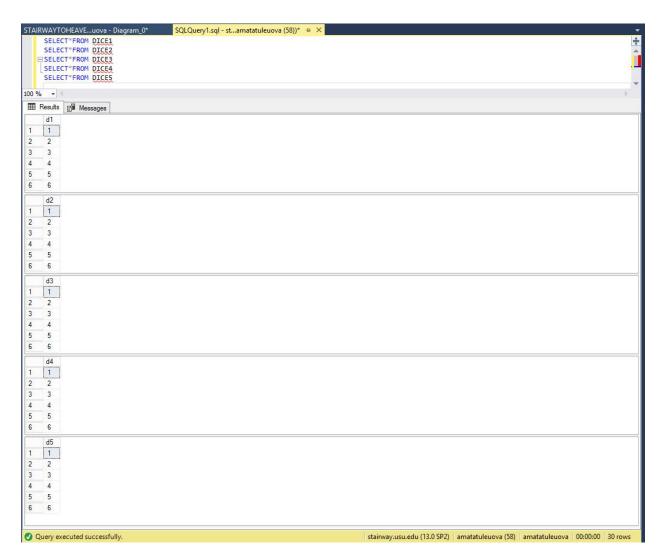
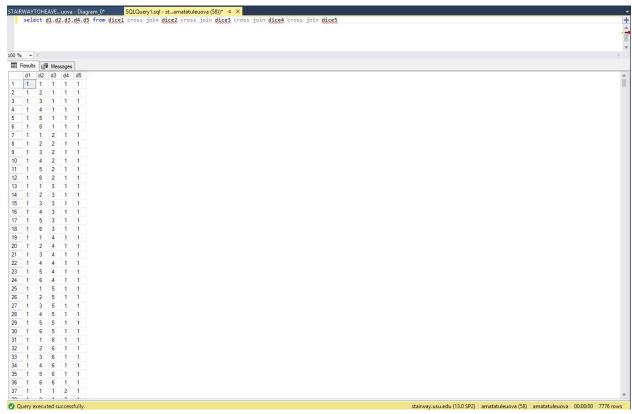


Milestone 1 - Table Creation (DDL) and INSERT Statements (DML)

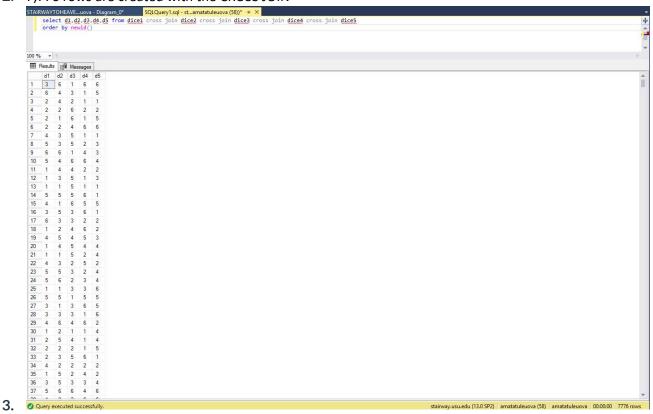


Milestone 2 - CROSS JOIN, Random Number, and TOP FUNCTION

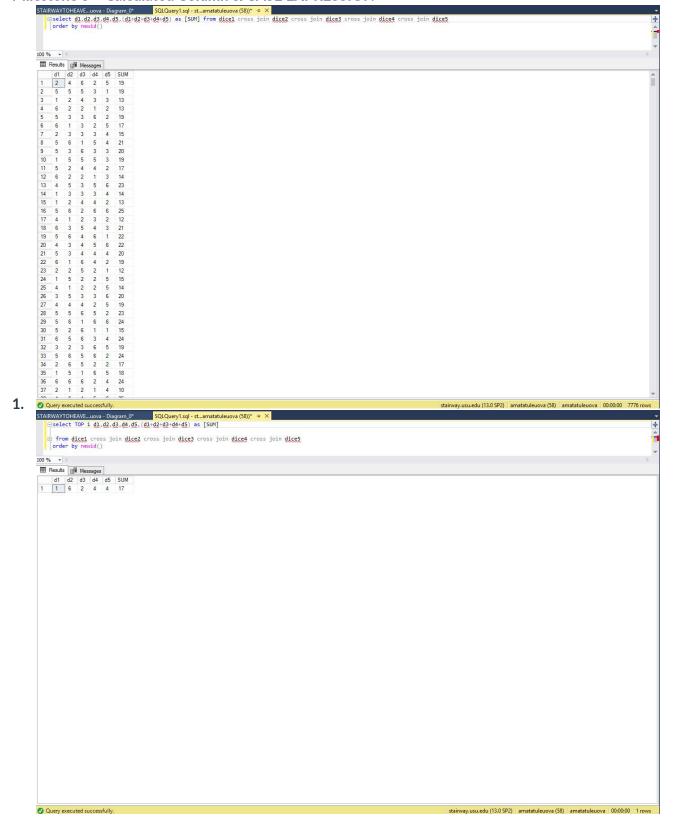


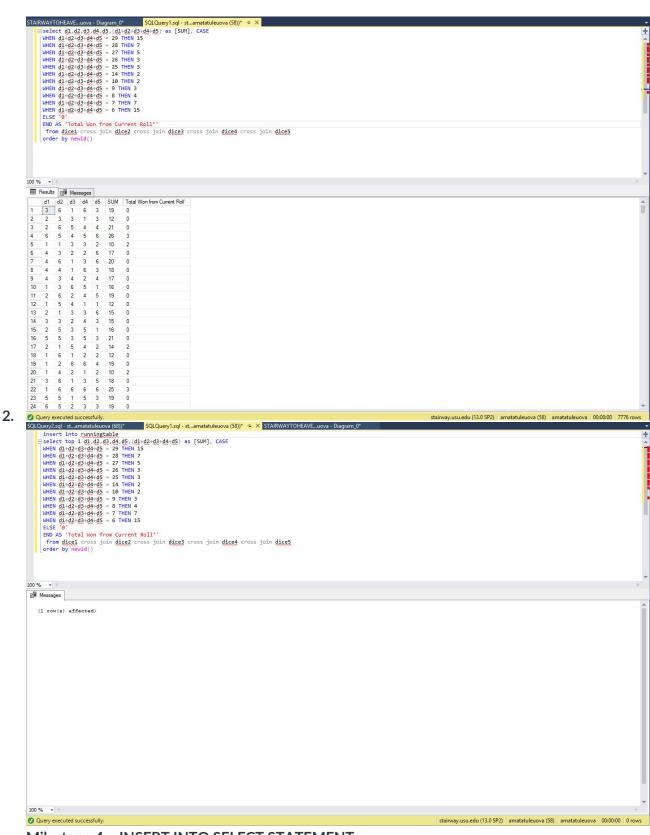
2. 7,776 rows are created with the CROSS JOIN

1.



Milestone 3 - Calculated Column & CASE EXPRESSION





Milestone 4 - INSERT INTO SELECT STATEMENT

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Milestone 5 - WINDOW FUNCTION

```
insert into runningtable
select top 1 d1,d2,d3,d4,d5,(d1+d2+d3+d4+d5) as [SUM], CASE
WHEN d1+d2+d3+d4+d5 = 29 THEN 15
WHEN d1+d2+d3+d4+d5 = 28 THEN 7
WHEN d1+d2+d3+d4+d5 = 27 THEN 5
WHEN d1+d2+d3+d4+d5 = 26 THEN 3
WHEN d1+d2+d3+d4+d5 = 25 THEN 3
WHEN d1+d2+d3+d4+d5 = 14 THEN 2
WHEN d1+d2+d3+d4+d5 = 10 THEN 2
WHEN d1+d2+d3+d4+d5 = 9 THEN 3
WHEN d1+d2+d3+d4+d5 = 8 THEN 4
WHEN d1+d2+d3+d4+d5 = 7 THEN 7
WHEN d1+d2+d3+d4+d5 = 6 THEN 15
ELSE '0'
END AS 'Total Won from Current Roll''
from dice1 cross join dice2 cross join dice3 cross join dice4 cross join dice5
order by newid()
SELECT TOP 1 RollNum, d1, d2, d3, d4, d5, SUM as 'Sum of Current roll',
total as 'Points Earned on Current Roll',
 SUM(TOTAL) OVER (ORDER BY RollNum) as 'Total Overall Score'
from runningtable
ORDER BY RollNUM DESC
```

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