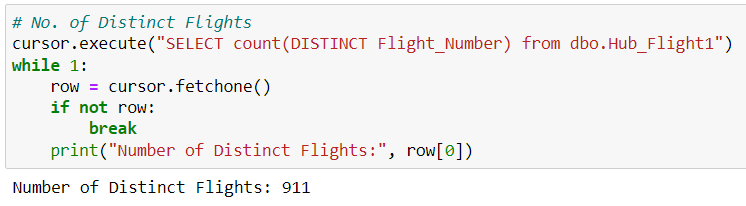
**QUERIES AND SCREENSHOTS**

1. **Total Number of Distinct Flights**

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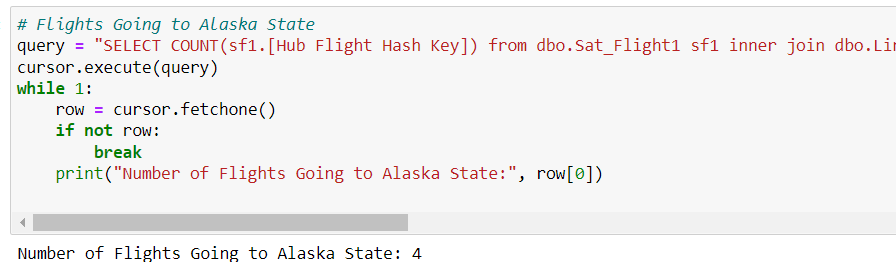
1. **Flights Going to USA Country**

query = "SELECT COUNT(sf1.[Hub Flight Hash Key]) from dbo.Sat\_Flight1 sf1 inner join dbo.Link\_Flight\_Airport1 lfa on sf1.[Hub Flight Hash Key] = lfa.[Hub Flight Hash Key] inner join dbo.SAT\_AIRPORT sa on sa.[Hub Airport Hash Key] = lfa.[Hub Airport Hash Key] inner join dbo.Hub\_Airport ha on ha.[Hub Airport Hash Key] = sa.[Hub Airport Hash Key] where sa.Country = 'USA'and ha.IATA\_Code = sf1.Destination\_Airport"



1. **Flights Going to Alaska State**

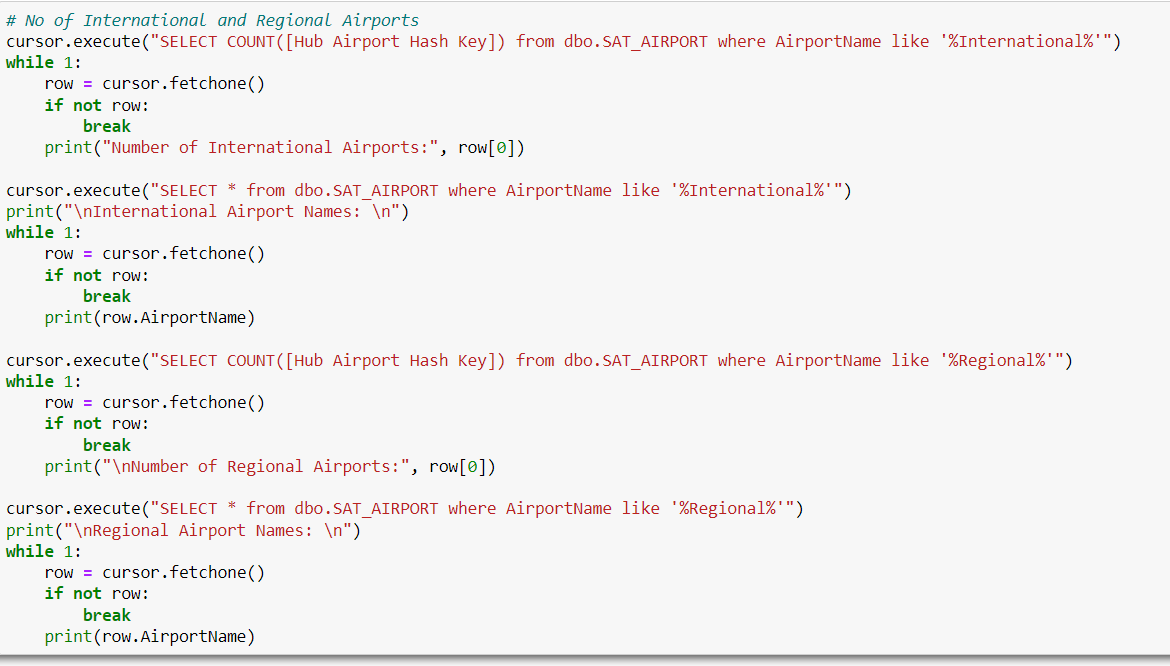
query = "SELECT COUNT(sf1.[Hub Flight Hash Key]) from dbo.Sat\_Flight1 sf1 inner join dbo.Link\_Flight\_Airport1 lfa on sf1.[Hub Flight Hash Key] = lfa.[Hub Flight Hash Key] inner join dbo.SAT\_AIRPORT sa on sa.[Hub Airport Hash Key] = lfa.[Hub Airport Hash Key] inner join dbo.Hub\_Airport ha on ha.[Hub Airport Hash Key] = sa.[Hub Airport Hash Key] where sa.State = 'AK'and ha.IATA\_Code = sf1.Destination\_Airport"

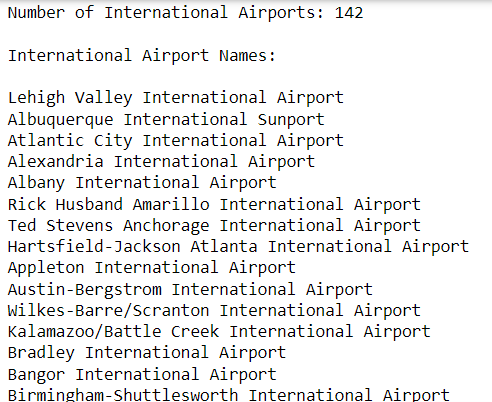


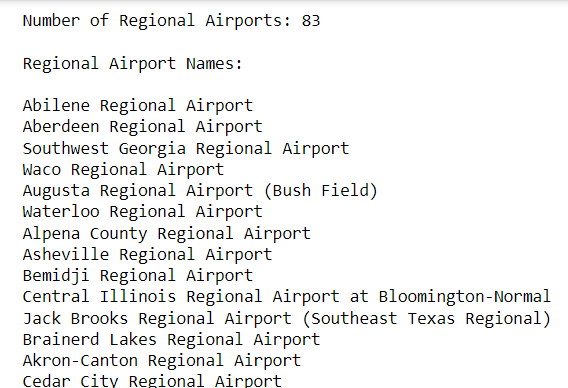
1. **Flights Going to Denver City**

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1. **International and Regional Airports**

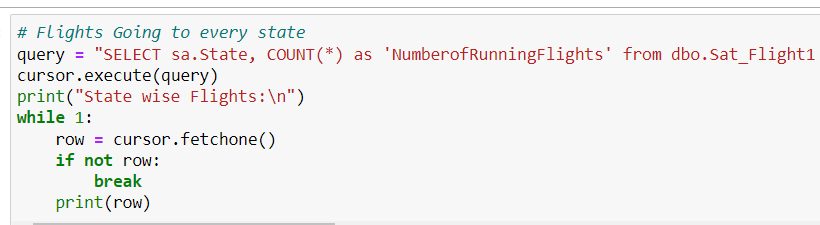
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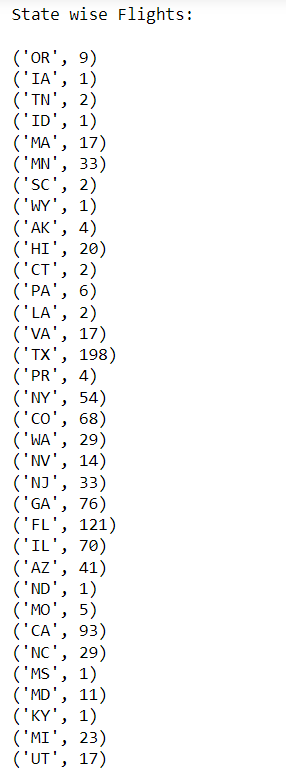
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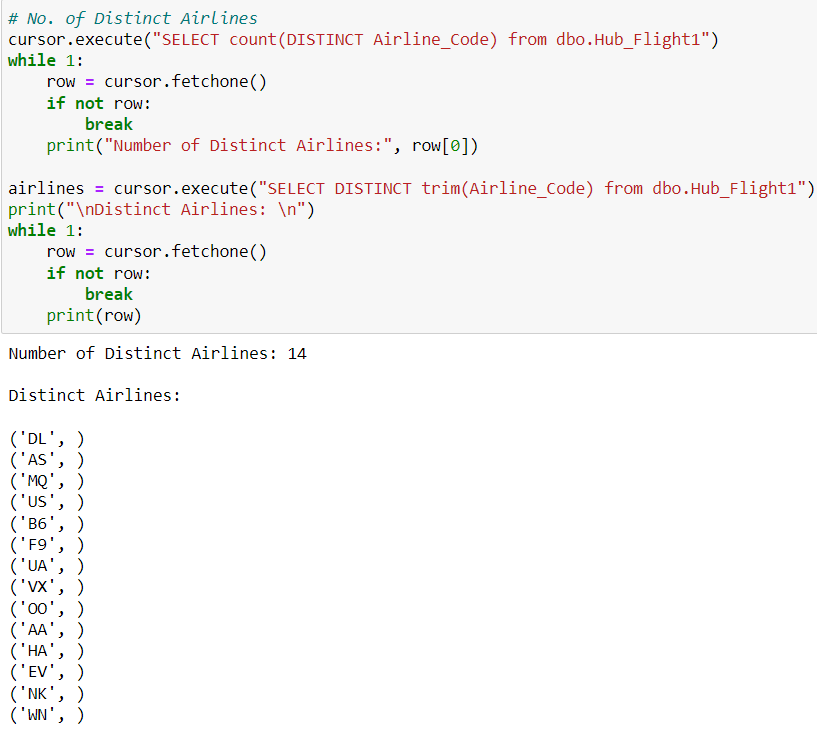
1. **Flights Going to Every State**

query = "SELECT sa.State, COUNT(\*) as 'NumberofRunningFlights' from dbo.Sat\_Flight1 sf1 inner join dbo.Link\_Flight\_Airport1 lfa on sf1.[Hub Flight Hash Key] = lfa.[Hub Flight Hash Key] inner join dbo.SAT\_AIRPORT sa on sa.[Hub Airport Hash Key] = lfa.[Hub Airport Hash Key] inner join dbo.Hub\_Airport ha on ha.[Hub Airport Hash Key] = sa.[Hub Airport Hash Key] inner join dbo.Hub\_Flight1 hf1 on hf1.[Hub Flight Hash Key] = sf1.[Hub Flight Hash Key] where ha.IATA\_Code = sf1.Destination\_Airport Group by sa.State"



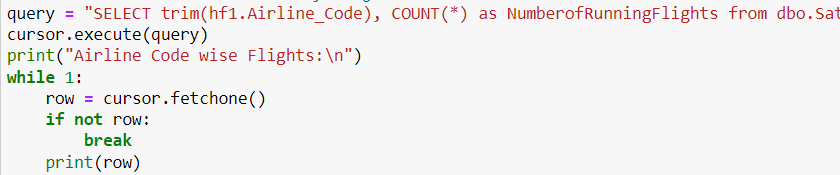


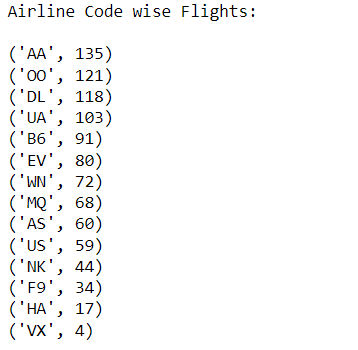
1. **Distinct Airlines**



1. **Airline Code Wise Flights**

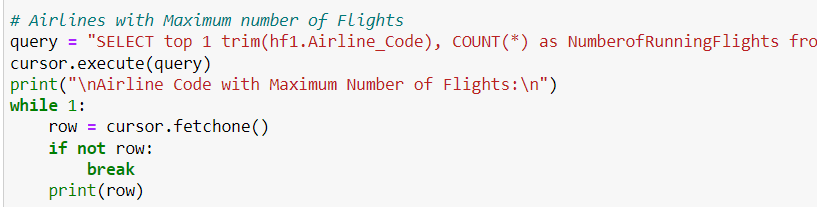
query = "SELECT trim(hf1.Airline\_Code), COUNT(\*) as NumberofRunningFlights from dbo.Sat\_Flight1 sf1 inner join dbo.Link\_Flight\_Airport1 lfa on sf1.[Hub Flight Hash Key] = lfa.[Hub Flight Hash Key] inner join dbo.SAT\_AIRPORT sa on sa.[Hub Airport Hash Key] = lfa.[Hub Airport Hash Key] inner join dbo.Hub\_Airport ha on ha.[Hub Airport Hash Key] = sa.[Hub Airport Hash Key] inner join dbo.Hub\_Flight1 hf1 on hf1.[Hub Flight Hash Key] = sf1.[Hub Flight Hash Key] where ha.IATA\_Code = sf1.Destination\_Airport Group by hf1.Airline\_Code order by NumberofRunningFlights desc"

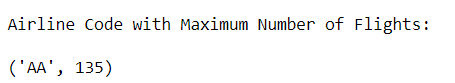




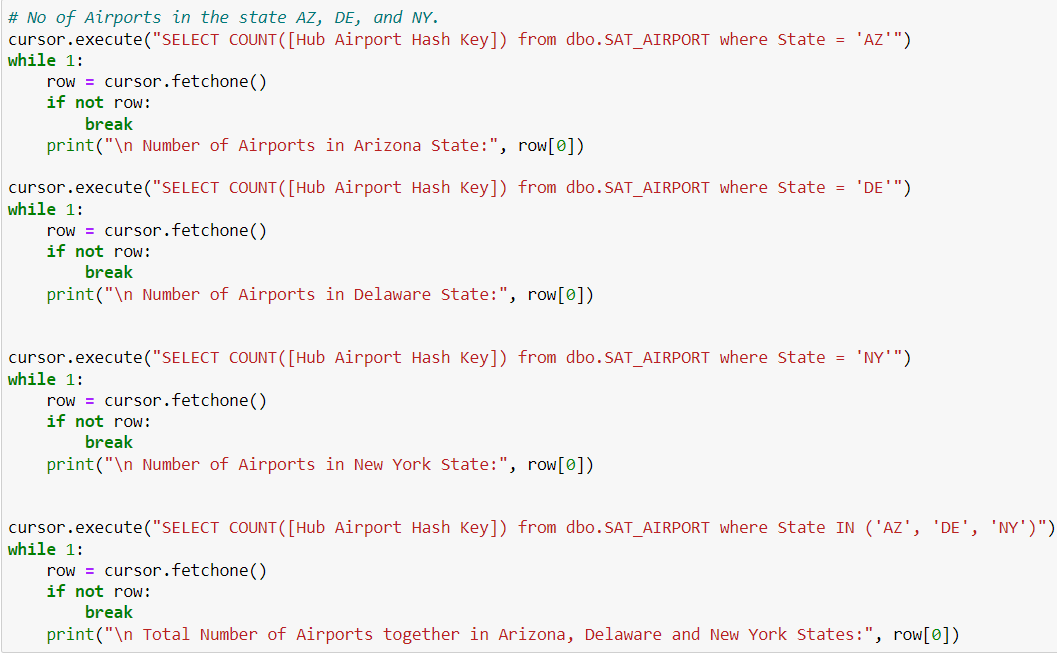
1. **Airline with Maximum Flights**

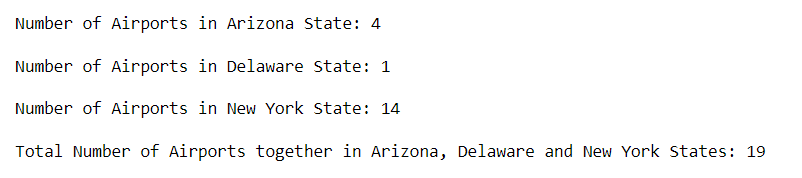
query = "SELECT top 1 trim(hf1.Airline\_Code), COUNT(\*) as NumberofRunningFlights from dbo.Sat\_Flight1 sf1 inner join dbo.Link\_Flight\_Airport1 lfa on sf1.[Hub Flight Hash Key] = lfa.[Hub Flight Hash Key] inner join dbo.SAT\_AIRPORT sa on sa.[Hub Airport Hash Key] = lfa.[Hub Airport Hash Key] inner join dbo.Hub\_Airport ha on ha.[Hub Airport Hash Key] = sa.[Hub Airport Hash Key] inner join dbo.Hub\_Flight1 hf1 on hf1.[Hub Flight Hash Key] = sf1.[Hub Flight Hash Key] where ha.IATA\_Code = sf1.Destination\_Airport Group by hf1.Airline\_Code order by NumberofRunningFlights desc"

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1. **Number of Airports in Arizona, Delaware and New York States**

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