

city	month	actual_trips	target_trips	Performance	difference_percentage
Visakhapat	1	4468	4500	Below Target	-0.7111
Chandigarh	1	6810	7000	Below Target	-2.7143
Surat	1	8358	9000	Below Target	-7.1333
Vadodara	1	4775	6000	Below Target	-20.4167
Mysore	1	2485	2000	Above Target	24.25
Kochi	1	7344	7500	Below Target	-2.08
Indore	1	6737	7000	Below Target	-3.7571
Jaipur	1	14976	13000	Above Target	15.2
Coimbatore	1	3651	3500	Above Target	4.3143
Lucknow	1	10858	13000	Below Target	-16.4769
Visakhapat	2	4793	4500	Above Target	6.5111
Chandigarh	2	7387	7000	Above Target	5.5286
Surat	2	9069	9000	Above Target	0.7667
Vadodara	2	5228	6000	Below Target	-12.8667
Mysore	2	2668	2000	Above Target	33.4
Kochi	2	7688	7500	Above Target	2.5067
Indore	2	7210	7000	Above Target	3
Jaipur	2	15872	13000	Above Target	22.0923
Coimbatore	2	3404	3500	Below Target	-2.7429
Lucknow	2	12060	13000	Below Target	-7.2308
Visakhapat	3	4877	4500	Above Target	8.3778
Chandigarh	3	6569	7000	Below Target	-6.1571
Surat	3	9267	9000	Above Target	2.9667
Vadodara	3	5598	6000	Below Target	-6.7
Mysore	3	2633	2000	Above Target	31.65
Kochi	3	9495	7500	Above Target	26.6
Indore	3	7019	7000	Above Target	0.2714
Jaipur	3	13317	13000	Above Target	2.4385
Coimbatore	3	3680	3500	Above Target	5.1429
Lucknow	3	11224	13000	Below Target	-13.6615
Visakhapat	4	4938	5000	Below Target	-1.24
Chandigarh	4	5566	6000	Below Target	-7.2333
Surat	4	9831	10000	Below Target	-1.69
Vadodara	4	5941	6500	Below Target	-8.6
Mysore	4	2603	2500	Above Target	4.12
Kochi	4	9762	9000	Above Target	8.4667
Indore	4	7415	7500	Below Target	-1.1333
Jaipur	4	11406	9500	Above Target	20.0632
Coimbatore	4	3661	3500	Above Target	4.6
Lucknow	4	10212	11000	Below Target	-7.1636
Visakhapat	5	4812	5000	Below Target	-3.76
Chandigarh	5	6620	6000	Above Target	10.3333
Surat	5	9774	10000	Below Target	-2.26

Vadodara	5	5799	6500 Below Target	-10.7846
Mysore	5	3007	2500 Above Target	20.28
Kochi	5	10014	9000 Above Target	11.2667
Indore	5	7787	7500 Above Target	3.8267
Jaipur	5	11475	9500 Above Target	20.7895
Coimbatore	5	3550	3500 Above Target	1.4286
Lucknow	5	9705	11000 Below Target	-11.7727
Visakhapatnam	6	4478	5000 Below Target	-10.44
Chandigarh	6	6029	6000 Above Target	0.4833
Surat	6	8544	10000 Below Target	-14.56
Vadodara	6	4685	6500 Below Target	-27.9231
Mysore	6	2842	2500 Above Target	13.68
Kochi	6	6399	9000 Below Target	-28.9
Indore	6	6288	7500 Below Target	-16.16
Jaipur	6	9842	9500 Above Target	3.6
Coimbatore	6	3158	3500 Below Target	-9.7714
Lucknow	6	10240	11000 Below Target	-6.9091

SELECT

dc.city_name, -- Name of the city

MONTH(td.date) AS month, -- Extracts the month from the date column

COUNT(ft.trip_id) AS actual_trips, -- Count of actual trips for the month

tt.total_target_trips AS target_trips, -- Target number of trips for the month

CASE

WHEN COUNT(ft.trip_id) > tt.total_target_trips THEN 'Above Target' -- Performance evaluation:

ELSE 'Below Target' -- Performance evaluation: Below target

END AS Performance,

((COUNT(ft.trip_id) - tt.total_target_trips) / tt.total_target_trips) * 100 AS difference_percentage --

FROM

trips_db.fact_trips ft -- Fact table for trips data

INNER JOIN

trips_db.dim_city dc

ON ft.city_id = dc.city_id -- Joining with city dimension table

INNER JOIN

trips_db.dim_date td

ON ft.date = td.date -- Joining with date dimension table

INNER JOIN

targets_db.monthly_target_trips tt

ON ft.city_id = tt.city_id

AND MONTH(td.date) = MONTH(tt.month) -- Joining with target trips table based on city and mon

GROUP BY

dc.city_name, MONTH(td.date), tt.total_target_trips; -- Grouping by city, month, and target trips

- Calculates the percentage difference