

TARGETS FOR DSB

Objective

Data Source Bank has some quarterly targets for the value of transactions that are being performed in-person and online. The objective here is to compare the value of transactions for each quarter and compare it with expected quarterly targets to see if the bank has met or not met the expectations. Two datasets are given – Transactions & Quarterly Targets.

Input

Transaction Code	Value	Customer Code	Online or In-Person	Transaction Date
DTB-716-679-576	1448	100001	2	20/03/2023 00:00:00
DS-795-814-303	7839	100001	2	15/11/2023 00:00:00
DSB-807-592-406	5520	100005	1	14/07/2023 00:00:00
DS-367-545-264	7957	100007	2	18/08/2023 00:00:00
DSB-474-374-857	5375	100000	2	26/08/2023 00:00:00
DSB-448-546-348	4525	100009	1	27/05/2023 00:00:00
DS-213-969-866	2321	100007	2	04/01/2023 00:00:00
DS-341-615-729	1967	100004	1	22/01/2023 00:00:00
DTB-200-951-620	8105	100003	2	10/01/2023 00:00:00
DS-481-733-170	7908	100008	2	26/11/2023 00:00:00

Online or In-Person	Q1	Q2	Q3	Q4
Online	72500	70000	60000	60000
In-Person	75000	70000	70000	60000

Output

Online or In-Person	Quarter	Value	Quarterly Targets	Variance to Target
In-Person	3	74,189	70,000	4,189
In-Person	2	70,634	70,000	634
Online	1	74,562	72,500	2,062
In-Person	1	77,576	75,000	2,576
Online	4	61,908	60,000	1,908
In-Person	4	43,223	60,000	-16,777
Online	2	69,325	70,000	-675
Online	3	59,072	60,000	-928