

DATA SOURCE BANK

Objective

A dataset of a fake bank – The Data Source Bank (DSB). The dataset contains numerous transactions and the dataset also contains transactions of other banks. The dataset has to be cleaned and 3 outputs are to be obtained from this exercise –

Dataset

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

Output required - 1: Total Values of Transactions by each bank

Bank	Value
DTB	618238
DS	653940
DSB	530489

Output required - 2: Total values by bank, day of the week and type of transaction

Bank	Online or In-Person	Transaction Date	Value
DSB	In-Person	Friday	9402
DTB	In-Person	Sunday	29468
DS	Online	Thursday	13337
DS	In-Person	Tuesday	32607
DTB	Online	Wednesday	35313
DSB	In-Person	Wednesday	36069
DTB	In-Person	Tuesday	54029
DTB	Online	Sunday	49087

Output required - 3: Total values by bank and customer code

Bank	Customer Code	Value
DS	100001	53063
DSB	100005	56396
DSB	100009	51749
DSB	100001	67856
DS	100003	25482
DTB	100010	71396
DSB	100004	39003
DTB	100002	48616

Dataset link: <https://preppindata.blogspot.com/2023/01/2023-week-1-data-source-bank.html>