

Additional Case Study




Background Case

Bobi telah seminggu bekerja di kantor cabang sebuah perusahaan retail.





Background Case: Tugas Bobi

Setiap hari bobi akan menerima laporan penjualan satu hari sebelumnya(kemarin) dari masing-masing outlet.

Name ^	
	report sales_illonis_24012023.xlsx
	report sales_kentucky_24012023.xlsx
	report sales_texas_24012023.xlsx

Background Case: Tugas Bobi

Setiap hari bobi harus membuat report penjualan branch-nya (hasil gabungan dari masing-masing outlet) dan di upload ke platform Head Office.

Name	^
 report sales_23012023.csv	
 report sales_24012023.csv	

Background Case: Struktur Perusahaan Bobi

Head Office



Branch



Outlet



Case

Bobi menghabiskan waktu 10-20 menit untuk menggabungkan semua data tersebut hingga siap untuk di upload.

Bantulah Bobi untuk mempercepat proses pembuatan file report dengan membuat script pengolahannya.

Overview Data

- Data tersebut tersimpan di file excel dengan format sebagai berikut:

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State	Postal Code	Region	Product ID	Category	Sub-Category	Product Name	Sales	Quantity	Discount	Profit
7981	CA-2014-103800	1/3/2014	1/7/2014	Standard Class	DP-13000	Darren Powers	Consumer	United States	Houston	Texas	77095	Central	OFF-PA-10000174	Office Supplies	Paper	Message Book, Wirebound, Four 5 1/2" X 4" Forms/Pg., 200 Dupl. Sets/Book	16.448	2	0.2	5.5512
740	CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19195	Phillina Ober	Home Office	United States	Naperville	Illinois	60540	Central	OFF-LA-10003223	Office Supplies	Labels	Avery 508	11.784	3	0.2	4.2717
741	CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19195	Phillina Ober	Home Office	United States	Naperville	Illinois	60540	Central	OFF-ST-10002743	Office Supplies	Storage	SAFCO Boltless Steel Shelving	272.736	3	0.2	-64.7748
742	CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19195	Phillina Ober	Home Office	United States	Naperville	Illinois	60540	Central	OFF-BI-10004094	Office Supplies	Binders	GBC Standard Plastic Binding Systems Combs	3.54	2	0.8	-5.487
1760	CA-2014-141817	1/5/2014	1/12/2014	Standard Class	MB-18085	Mick Brown	Consumer	United States	Philadelphia	Pennsylvania	19143	East	OFF-AR-10003478	Office Supplies	Art	Avery Hi-Liter EverBold Pen Style Fluorescent Highlighters, 4/Pack	19.536	3	0.2	4.884
7181	CA-2014-106054	1/6/2014	1/7/2014	First Class	JO-15145	Jack O'Briant	Corporate	United States	Athens	Georgia	30605	South	OFF-AR-10002399	Office Supplies	Art	Dixon Prang Watercolor Pencils, 10-Color Set with Brush	12.78	3	0	5.2398
5328	CA-2014-130813	1/6/2014	1/8/2014	Second Class	LS-17230	Lycoris Saunders	Consumer	United States	Los Angeles	California	90049	West	OFF-PA-10002005	Office Supplies	Paper	Xerox 225	19.44	3	0	9.3312
7475	CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17320	Maria Etezadi	Home Office	United States	Henderson	Kentucky	42420	South	FUR-CH-10004063	Furniture	Chairs	Global Deluxe High-Back Manager's Chair	2573.82	9	0	746.4078
7476	CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17320	Maria Etezadi	Home Office	United States	Henderson	Kentucky	42420	South	OFF-BI-10004632	Office Supplies	Binders	Ibico Hi-Tech Manual Binding System	609.98	2	0	274.491
7477	CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17320	Maria Etezadi	Home Office	United States	Henderson	Kentucky	42420	South	OFF-AR-10001662	Office Supplies	Art	Rogers Handheld Barrel Pencil Sharpener	5.48	2	0	1.4796
7478	CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17320	Maria Etezadi	Home Office	United States	Henderson	Kentucky	42420	South	TEC-PH-10004977	Technology	Phones	GE 30524EE4	391.98	2	0	113.6742
7479	CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17320	Maria Etezadi	Home Office	United States	Henderson	Kentucky	42420	South	TEC-PH-10004539	Technology	Phones	Wireless Extenders zBoost YX545 SOHO Signal Booster	755.96	4	0	204.1092

Overview Report

Platform tersebut hanya membutuhkan inputan berupa:


City	State	Sales	Quantity	Discount	Profit
Houston	Texas	16.448	2	0.2	5.5512
Naperville	Illinois	11.784	3	0.2	4.2717
Naperville	Illinois	272.736	3	0.2	-64.7748
Naperville	Illinois	3.54	2	0.8	-5.487
Philadelphia	Pennsylvania	19.536	3	0.2	4.884
Athens	Georgia	12.78	3	0	5.2398
Los Angeles	California	19.44	3	0	9.3312
Henderson	Kentucky	2573.82	9	0	746.4078
Henderson	Kentucky	609.98	2	0	274.491
Henderson	Kentucky	5.48	2	0	1.4796
Henderson	Kentucky	391.98	2	0	113.6742
Henderson	Kentucky	755.96	4	0	204.1092
Henderson	Kentucky	31.12	4	0	0.3112
Henderson	Kentucky	6.54	1	0	3.0084
Huntsville	Texas	76.728	3	0.6	-53.7096
Huntsville	Texas	10.43	7	0.8	-18.2525
Laredo	Texas	9.344	2	0.2	1.168
Laredo	Texas	31.2	3	0.2	9.75
Springfield	Virginia	2.89	1	0	1.3583


Additional rules

Selain itu ada beberapa ketentuan yang perlu dipenuhi agar data dapat terupload:

1. File disimpan dalam format **csv** dengan **separator semicolon (;)**
2. Nama file terdiri atas sales report_tglnodash (tglnodash: tanggal laporan tersebut dibuat).

Ex: Name ^

 report sales_23012023.csv

 report sales_24012023.csv

Additional rules

Agar dokumentasi menjadi rapi maka:

1. Report masing-masing outlet disimpan di dalam folder raw_report dan masing-masing bulan dan tanggal

env
raw_report
report_upload






January
February



23012023
24012023



Name	
	report sales_illonis_24012023.xlsx
	report sales_kentucky_24012023.xlsx
	report sales_texas_24012023.xlsx

Additional rules

Agar dokumentasi menjadi rapi maka:

2. Hasil penggabungan report disimpan di dalam folder report_upload dan masing-masing bulan

