BWT Task-08 Exercise

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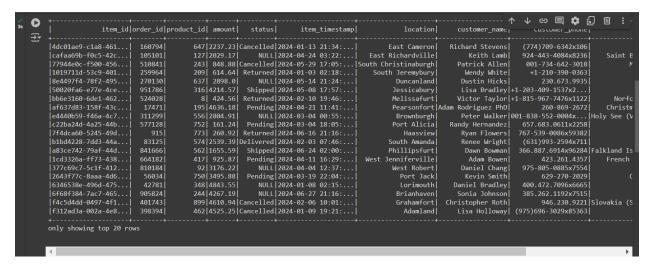
PySpark:

Code & Output:

```
Collecting pyspark

Downloading pyspark-3.5.1.tar.gz (317.0 MB)

Preparing metadata (setup.py) ... done
Requirement already satisfied: pydj==0.10.9.7 in /usr/local/lib/python3.10/dist-packages (from pyspark) (0.10.9.7)
Building wheels for collected packages: pyspark
Building wheel for pyspark (setup.py) ... done
Created wheel for pyspark: filename=pyspark-3.5.1-py2.py3-none-any.whl size=317488491 sha256=318f4d7b44a731943992efde5fb755b486f73e0d20f99de3ccb629e;
Stored in directory: /root/.cache/pip/wheels/80/1d/60/2c256ed38dddce2fdd93be545214a63e02fbd8d74fb0b7f3a6
Successfully built pyspark
Installing collected packages: pyspark
Successfully installed pyspark-3.5.1
```



The following code does transformations as mentioned in the previous task for this dataset.csv file which were done using pandas. The same thing can be done using PySpark as follows:

	item_id	order_id	product_id	amount	status	it	tem_time:	stamp	location	customer_name	customer_phone	
4dc01ae9-c1a8-	461	160794	647	1500.0	Cancelled	2024-01	-13 21:3	4:	East Cameron	Richard Stevens	(774)709-6342x106	
77944e0c-f500-	456	510841	243	848.88	Cancelled	2024-05-	-29 17:0		South Christinaburgh	Patrick Allen	001-734-642-3018	
1019711d-53c9-	401	259964	209	614.64	Returned	2024-01-	-03 02:1	8:	South Jeremybury	Wendy White	+1-210-390-0363	
50020fa6-e77e-	4ce	951786	316	1500.0	Shipped	2024-05-	-08 17:5		Jessicabury	Lisa Bradley	+1-203-409-1537x2	
bb6e3160-6de1-	462	524028	8	424.56	Returned	2024-02-	-10 19:4	6:	Melissafurt	Victor Taylor	+1-815-967-7476x1122	
af637d83-158f-	43c	17471	195	1500.0	Pending	2024-04-	-21 11:4	1:	Pearsonfort	Adam Rodriguez PhD	260-869-2672	Cl
c22ba24d-4a25-	44b	577128	752	161.24	Pending	2024-03-	-04 18:0		Port Alicia	Randy Hernandez	657.683.0611x2258	
7f4dca60-5245-	49d	915	773	260.92	Returned	2024-06-	-16 21:10	6:	Haasview	Ryan Flowers	767-539-0086x59382	
b1bd4228-7dd3-	44a	83125	574	1500.0	Delivered	2024-02-	-03 07:4	6:	South Amanda	Renee Wright	(631)993-2594x711	
a83ce742-79af-	44d	841666	562	1500.0	Shipped	2024-06-	-24 02:00	0:	Phillipsfurt	Dawn Bowman	366.887.6914x96284 F	alkl
1cd3326a-ff73-	438	664182	417	925.87	Pending	2024-04-	-11 16:29		West Jenniferville	Adam Bowen	423.261.4357	Fi
2643f77c-8aaa-	4d6	56034	750	1500.0	Pending	2024-03-	-19 22:0	4:	Port Jack	Kevin Smith	629-270-2029	
f4c5d4dd-0497-	4f1	401743	899	1500.0	Cancelled	2024-02-	-06 10:0	1:	Grahamfort	Christopher Roth	946.230.9221 S	loval
f312ad3a-002a-	4e8	398394	462	1500.0	Cancelled	2024-01-	-09 19:2	1:	Adamland	Lisa Holloway	(975)696-3029x85363	
f442eb12-d683-	4cc	33283	149	1500.0	Shipped	2024-05-	-09 12:04	4:	West Annette	Peter Kidd	+1-503-763-8718x562	
c67abda9-f4e3-	432	377397	964	1500.0	Cancelled	2024-02-	-29 17:30	0:	South Jamieside	James Fitzpatrick	001-454-346-6628	
939a917e-c42d-	4a5	901654	111	1500.0	Pending	2024-03-	-01 16:19		East Stephenmouth	Kristen Parks	(857)524-4332x53950	
3ca7b2b5-7ac2-	4bd	162181	78	912.44	Delivered	2024-02-	-04 00:19		South Cathy	Joann Carlson	001-470-577-6286	
f9b43d5f-b6ca-	463	227743	850	1421.99	Shipped	2024-03-	-09 07:5		Beardchester	Brooke Austin	(534)858-8982x270 S	aint
0471 76 5504	4b2	119816	9001	1500.0	Delivered	2024-02-	-20 15:3	3:	Jessefurt	James Garrett	343-719-1164x006 S	ao T