

Attached is a sample JSON dump of redemption data from our Test DB with the following fields.

1. items : items redeemed in each redemption order
2. k\_user\_id : all the merchants ids
3. user\_id : all the users id
4. paid\_amount: transaction value for the redemption
5. paid\_at: epoch timestamp at which a person transferred an amount
6. redeemed\_at : epoch timestamp at which a person redeemed an item

Each redemption has a transaction amount mentioned in the paid\_amount field at paid\_at timestamp.

1. Convert the epoch timestamp of each redemption to a proper Date format (choose any format, preferably dd-mm-yyyy)
2. Create an overview of No. of transactions per User for the period between Nov 2018 to September 2019. For e.g

	Nov 2018	Dec 2018	.....	Sept 2019
User X	11	99	.....	61
User Y	4	5	.....	0
User Z	50	23	.....	25
...	...	...		...

- Documented code for pulling out results has to be shared in a public git repository
  - Results can be dumped in a csv
3. Create a mapping for at least 3 Merchants or K\_users showing the number of:
    - a. Transactions that are done by each merchant for the 10 months period in total
    - b. Users who utilized the 'Merchant or K\_user' service in the 10 months period

Use any data visualization tool/library/mechanism to Represent the Data you get above and explain your Rationale behind the visualizations.