

Midterm Lab Task 1 - Data Cleaning and Preparation using Excel

For this task we are given a Flat data from Excel (See rawfile) and we are Task to perform Data CLeaning and Preparation

STEP 1 Data Cleaning process

- Load the raw file
- Fit Column and row width and height
- TRIM extra spaces
- Remove NULL values
- Remove Duplicates

STEP 2 Normalization

- Performed 1NF
- Perform Table split using 2NF
- Perform 3 NF
- Mapped the Normalized tables as a Physical Data Model

STEP 3 Here's the screenshot of my output before I started data cleaning (See screenshot)

Artist	Year	Genre	Rating	Album	Reviews	Price
10/01/2021 0:00	1 John Smith	North	Good	Music World	10	\$10.00
10/02/2021 0:00	2 John Doe	East	Excellent	Music World	15	\$10.00
10/03/2021 0:00	3 Mike Brown	South	Good	Music World	5 inf	\$10.00
10/04/2021 0:00	4 Anna Belle	South	Average	Fairy Dust	20	\$10.00
10/05/2021 0:00	5 Chris P. Baker	East	Good	Beacon Seated Candle	30	\$10.07
10/06/2021 0:00	6 Peter Parker	East	Excellent	Web Shooter	0 inf	\$10.00
10/07/2021 0:00	7 Mary Jane	West	Poor	Spider-Man	10	\$10.00
10/08/2021 0:00	8 Bruce Wayne	South	Average	Not Signal	40	\$10.00
10/09/2021 0:00	9 Clark Kent	East	Good	Galaxy 1000 X-ray Vision	40	\$10.00
10/10/2021 0:00	10 Diana Prince	North	Excellent	Lasso of Truth	50	\$10.00
10/11/2021 0:00	11 Tony Stark	West	Poor	Iron Man Suit	5	\$10.00
10/12/2021 0:00	12 Steve Rogers	South	Average	Captain America Shield	30	\$10.00
10/13/2021 0:00	13 Natasha Romanoff	East	Good	Black Widow's Bites	0 inf	\$10.00
10/14/2021 0:00	14 Bruce Banner	Excellent	Gamma Radiation Serum	30	\$10.07	
10/15/2021 0:00	15 Anna Belle	South	Average	Fairy Dust	10	\$10.00
10/16/2021 0:00	16 Chris P. Baker	East	Good	Beacon Seated Candle	30	\$10.07
10/17/2021 0:00	17 Peter Parker	East	Excellent	Web Shooter	0 inf	\$10.00
10/18/2021 0:00	18 Nick Fury	West	Poor	Ego's Watch	10	\$10.00
10/19/2021 0:00	19 Phil Coulson	Average	Agent's Code	5 inf	\$10.00	
10/20/2021 0:00	20 Peggy Carter	East	Good	Vintage Pistol	40	\$10.00
10/21/2021 0:00	21 Howard Stark	North	Excellent	Arc Reactor	40	\$10.00
10/22/2021 0:00	22 Maria Stark	West	Poor	Anti-Matter Suit	10	\$10.00