



Presented By : **Poornima Saxena**

Introduction

- Audible is an American **online audiobook** and **podcast service** that allows users to **purchase** and stream **audiobooks** and other forms of **spoken word** content.
- It can be **purchased individually** or under a subscription model where the user receives "**credits**" that can be redeemed for content **monthly and receive access** to a curated on-demand **library** of content.
- Audible is the United States' **largest audiobook producer** and retailer. The service is owned by **Audible**, a wholly-owned subsidiary of **Amazon headquartered** in New York



Project Description



Utilized Power Query Editor in Excel to clean and standardize an Audible dataset. Tasks include formatting columns, ensuring data consistency, and preparing the dataset for analysis.

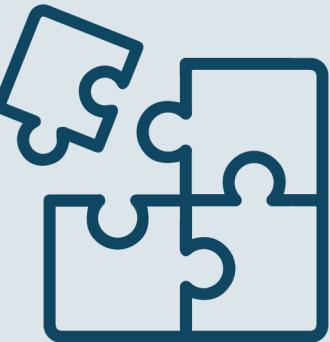


Queries to Solve :



Data Cleaning And Standardization

- Convert all values in the name column to proper title case for consistency.
- If the author column has combined first and last names, separate them into distinct columns.
- Ensure all entries in the releasedate column follow a consistent DD-MM-YYYY format.



Data Type Conversions & Validation

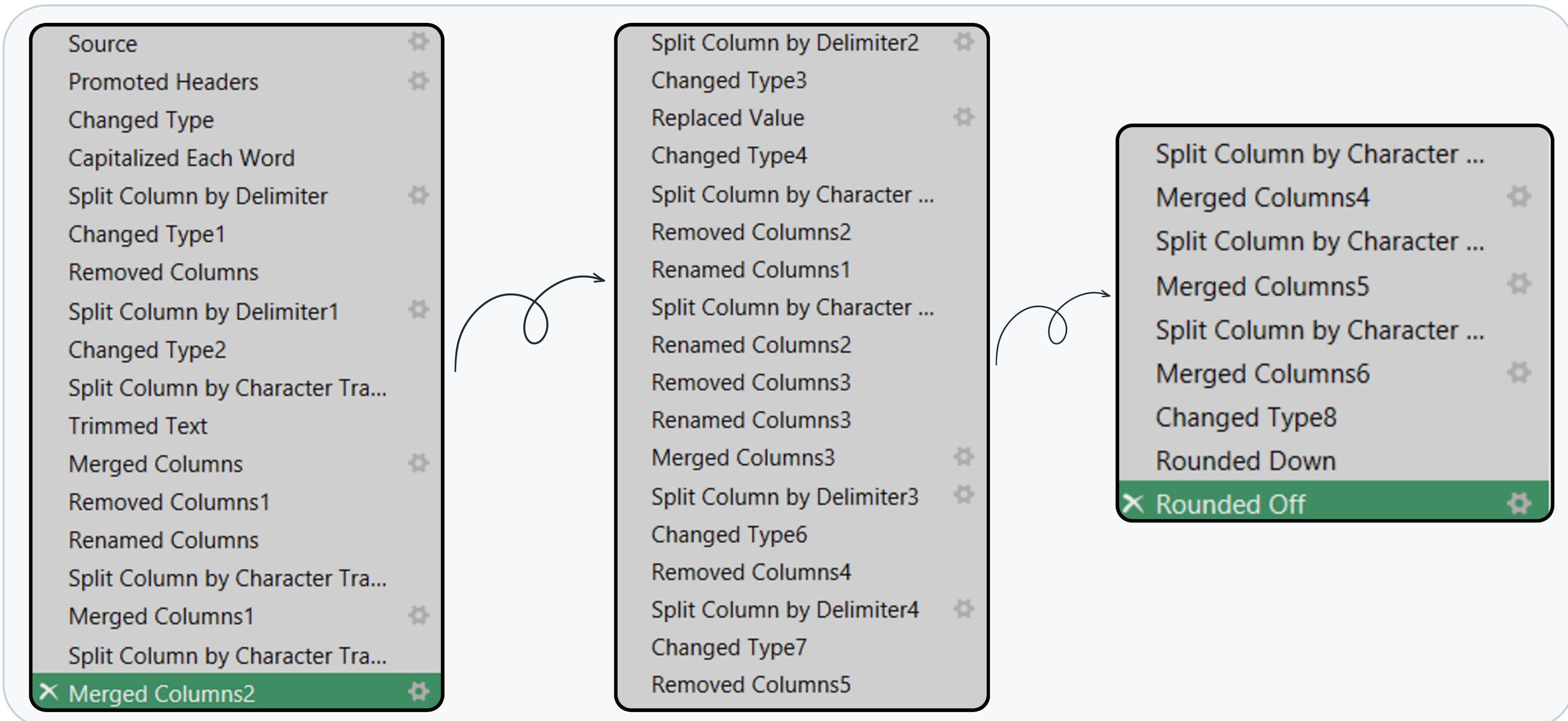
- Change the time column from text format to a recognized duration format in Excel.
- Convert the price column to a numeric format and identify any non-numeric values.
- Transform text-based star ratings in the stars column into numeric values.



Data Transformation & Formatting

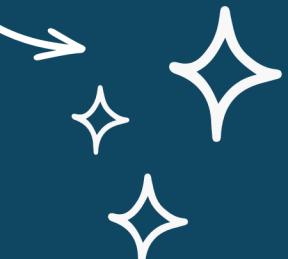
- If the narratedby column contains multiple narrators, split them into separate columns.
- Combine releasedate and language columns into a new column called releaseinfo using the format "DD-MM-YYYY, Language."

Applied Steps



name	author	narrator	time	releasedate	language	stars	price
Geronimo Stilton #11 & #12	Geronimo Stilton	Bill Lobley	2 hrs and 20 mins	04-08-2008	English	5 out of 5 stars 34 ratings	468
The Burning Maze	Rick Riordan	Robbie Daymond	13 hrs and 8 mins	01-05-2018	English	4.5 out of 5 stars 41 rating	820
The Deep End	Jeff Kinney	Dan Russell	2 hrs and 3 mins	06-11-2020	English	4.5 out of 5 stars 38 rating	410
Daughter Of The Deep	Rick Riordan	Soneela Nankani	11 hrs and 16 mins	05-10-2021	English	4.5 out of 5 stars 12 rating	615
The Lightning Thief: Percy Jackson, Book 1	Rick Riordan	Jesse Bernstein	10 hrs	13-01-2010	English	.5 out of 5 stars 181 rating	820
The Hunger Games: Special Edition	Suzanne Collins	Tatiana Maslany	10 hrs and 35 mins	30-10-2018	English	5 out of 5 stars 72 ratings	656
Quest For The Diamond Sword	Winter Morgan	Luke Daniels	2 hrs and 23 mins	25-11-2014	English	5 out of 5 stars 11 ratings	233
The Dark Prophecy	Rick Riordan	Robbie Daymond	12 hrs and 32 mins	02-05-2017	English	5 out of 5 stars 50 ratings	820
Merlin Mission Collection	Mary Pope Osborne	Bill Lobley	10 hrs and 56 mins	02-05-2017	English	5 out of 5 stars 5 ratings	1,256.00
The Tyrant's Tomb	Rick Riordan	Robbie Daymond	13 hrs and 22 mins	24-09-2019	English	5 out of 5 stars 58 ratings	820
The Inheritance Cycle	Christopher Paolini	Jesse Bernstein	8 hrs and 48 mins	14-01-2010	English	.5 out of 5 stars 130 rating	820
Magic Tree House Collection: Books 9-16	Mary Pope Osborne	Tatiana Maslany	5 hrs and 23 mins	24-08-2011	English	5 out of 5 stars 6 ratings	1,206.00
Magic Tree House Collection: Books 1-8	Mary Pope Osborne	Luke Daniels	6 hrs and 1 min	27-09-2011	English	5 out of 5 stars 7 ratings	1,206.00
Magnus Chase And The Ship Of The Dead	Rick Riordan	Robbie Daymond	12 hrs and 58 mins	03-10-2017	English	5 out of 5 stars 41 ratings	820
Northern Lights	Philip Pullman	Mary Pope Osborne	11 hrs and 55 mins	24-06-2021	English	4 out of 5 stars 2 ratings	1,093.00
Geronimo Stilton #13 And #14	Geronimo Stilton	fullcast	2 hrs and 25 mins	08-02-2008	English	4.5 out of 5 stars 33 rating	467
Merlin Mission Collection	Mary Pope Osborne	Ruth Wilson	5 hrs and 4 mins	26-12-2004	English	5 out of 5 stars 7 ratings	1,206.00
Exile	Shannon Messenger	Bill Lobley	14 hrs and 41 mins	06-11-2018	English	5 out of 5 stars 20 ratings	836
Neverseen	Shannon Messenger	Robbie Daymond	10 hrs and 18 mins	02-05-2017	English	5 out of 5 stars 11 ratings	1,256.00
The Tower Of Nero	Rick Riordan	Dan Russell	16 hrs and 42 mins	06-11-2018	English	5 out of 5 stars 13 ratings	1,003.00
The Inheritance Cycle	Christopher Paolini	Soneela Nankani	12 hrs and 12 mins	06-10-2020	English	5 out of 5 stars 79 ratings	615
Artemis Fowl	Eoin Colfer	Jesse Bernstein	23 hrs and 29 mins	14-04-2009	English	.5 out of 5 stars 47 rating	957
Geronimo Stilton 22 & 24	Geronimo Stilton	Gerry O'Brien	6 hrs and 46 mins	11-04-2013	English	5 out of 5 stars 27 ratings	683
Geronimo Stilton 22 & 24	Geronimo Stilton	Bill Lobley	2 hrs and 37 mins	01-02-2011	English	4.5 out of 5 stars 25 rating	469
Geronimo Stilton #17	Geronimo Stilton	Robbie Daymond	10 hrs and 32 mins	21-01-2010	English	5 out of 5 stars 101 ratings	820

Raw



Transformation

name	Full Name Author	Full Name Author	full Name Author 3	Full Name Narrator	Full Name Narrator	Full Name Narrator 3	Realease Info	Ratings	No. of people rated
Geronimo Stilton #11 & #12	Geronimo Stilton			Bill Lobley			04-08-2008 English	5	34
The Burning Maze	Rick Riordan			Robbie Daymond			01-05-2018 English	4	5
The Deep End	Jeff Kinney			Dan Russell			06-11-2020 English	4	5
Daughter Of The Deep	Rick Riordan			Soneela Nankani			05-10-2021 English	4	5
The Lightning Thief: Percy Jackson, Book 1	Rick Riordan			Jesse Bernstein			13-01-2010 English	4	5
The Hunger Games: Special Edition	Suzanne Collins			Tatiana Maslany			30-10-2018 English	5	72
Quest For The Diamond Sword	Winter Morgan			Luke Daniels			25-11-2014 English	5	11
The Dark Prophecy	Rick Riordan			Robbie Daymond			02-05-2017 English	5	50
Merlin Mission Collection	Mary Pope Osborne			Mary Pope Osborne			02-05-2017 English	5	5
The Tyrant's Tomb	Rick Riordan			Robbie Daymond			24-09-2019 English	5	58
The Titan's Curse: Percy Jackson, Book 3	Rick Riordan			Jesse Bernstein			14-01-2010 English	4	5
Magic Tree House Collection: Books 9-16	Mary Pope Osborne			Mary Pope Osborne			24-08-2011 English	5	6
Magic Tree House Collection: Books 1-8	Mary Pope Osborne			Mary Pope Osborne			27-09-2011 English	5	7
Magnus Chase And The Ship Of The Dead	Rick Riordan			Michael Crouch			03-10-2017 English	5	41
Northern Lights	Philip Pullman			Philip Pullman	fullcast	Ruth Wilson	24-06-2021 English	4	2
Geronimo Stilton #13 And #14	Geronimo Stilton			Bill Lobley			08-02-2008 English	4	5
Magic Tree House Collection	Mary Pope Osborne			Mary Pope Osborne			26-12-2004 English	5	7
Exile	Shannon Messenger			Caitlin Kelly			06-11-2018 English	5	20
Merlin Mission Collection	Mary Pope Osborne			Mary Pope Osborne			02-05-2017 English	5	11
Neverseen	Shannon Messenger			Caitlin Kelly			06-11-2018 English	5	13
The Tower Of Nero	Rick Riordan			Robbie Daymond			06-10-2020 English	5	79
Eldest: The Inheritance Cycle, Book 2	Christopher Paolini			Gerrard Doyle			14-04-2009 English	4	5
Artemis Fowl	Eoin Colfer			Gerry O'Brien			11-04-2013 English	5	27
Geronimo Stilton 22 & 24	Geronimo Stilton			Bill Lobley			01-02-2011 English	4	5
Percy Jackson And The Battle Of The Labyrinth	Rick Riordan			Jesse Bernstein			21-01-2010 English	5	101
Winnie-The-Pooh	A.A.Milne			Peter Dennis			28-12-2003 English	5	15
Magic Tree House Collection: Books 25-32	Mary Pope Osborne			Mary Pope Osborne			01-09-2020 English	5	3
Geronimo Stilton #20 And #21	Geronimo Stilton			Bill Lobley			01-10-2010 English	5	18
The Red Pyramid	Rick Riordan			Jane Collingwood	Joseph May		24-01-2013 English	4	5
Mystery Of The Griefer'S Mark	Winter Morgan			Luke Daniels			25-11-2014 English	5	9
Geronimo Stilton #17	Geronimo Stilton			Bill Lobley			13-07-2009 English	5	8

Custom Column

Custom column formula ⓘ

```
= if Text.Contains([time],"minute") then 1  
else if Text.Contains([time],"min") and not Text.Contains(  
[time],"and") then Number.FromText(Text.BeforeDelimiter(  
[time],"min"))  
  
else if Text.Contains([time],"min") then Number.FromText  
(Text.BeforeDelimiter(Text.AfterDelimiter([time],"and "),"  
min"))  
else 0
```

WHY CUSTOM ??

- A custom column is used to extract and standardize time values from a text-based format.
- The formula checks if the "time" column contains specific keywords like "minute" or "min" and then converts the extracted numerical values into a usable numeric format.
- This ensures consistency in data processing and enhances analysis accuracy.



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