Modern Big Data Analysis with SQL

Coursera Specialisation (Offered by Cloudera)

Course-1: Foundations of Big Data Analysis with SQL

Assignment-1: Database Overview

Database: Fun

SNO	Table Name	Description	Example
1	card_rank	Card Rank and Value	Ace, 2-10
2	card_suit	Card Category and Color	Clubs, Red
3	games	Game Type and Rules	Min Age, Max Players
4	inventory	Games with Inventory	Monopoly

Table-1: card_rank

SNO	Name	Type	Comment
1	rank	string	Card Suite
2	value	tinyint	Accepts NULL

Sample: card_rank

SNO	Rank	Value
1	Ace	NULL
2	2	2

Table-2: card_suit

SNO	Name	Type	Comment
1	suit	string	Card Category
2	colour	string	Card Colour

Sample: card_suit

SNO	Suit	Colour
1	Clubs	Black
2	Diamonds	Red

Table-3: games

SNO	Table Name	Type	Comment
1	id	int	Primary Key (PK)
2	name	string	Name of the Game
3	inventor	string	Name of Inventor
4	year	string	Year Played
5	min_age	tinyint	Min Age to Play Game
6	min_players	tinyint	Min Players to Play
7	max_players	tinyint	Max Players to Play
8	list_price	decimal(5, 2)	Price of Game ($)

Sample: games

ID	Name	Inventor	Year	Min_Age	Min_Player	Max_Player	List_Price
1	Monopoly	Elizabeth	1903	8	2	6	$19.99
2	Scrabble	Alfred Mosher	1938	8	2	4	$17.99

Table-4: inventory

SNO	Table Name	Type	Comment
1	shop	string	Name of Shop
2	game	string	Name of Game (FK)
3	qty	int	Quantity
4	aisle	tinyint	Accepts NULL
5	price	decimal(5,2)	Price of Game (Overall)

Sample: inventory

SNO	Shop	Game	Qty	Aisle	Price
1	Dicey	Monopoly	7	3	$17.99
2	Board'Em	Monopoly	11	2	$25.00

Notes:
1. Column Names, Descriptions are based on initial analysis/assumptions of dataset.
2. Relationships and Constraints examined in the dataset are based on individual observations.