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Course: Data Modeling
Professor: Michael McKee
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Bad Table:

Client ID	Client Name	Address	Birthday	Age	Signing Date
1002	Lebron James	416 Crestview Ave, Akron OH 44320	Dec. 30, 1984	33	November 2003
1003	Kevin Durant	600 N GRAND AVE, TAHLEQUAH OK 74464	Sep. 29, 1988	29	November 2008
1001	Kobe Bryant	11693 San Vicente Blvd Los Angeles, CA 90049	Aug. 23, 1978	39	November 1996
1000	Michael Jordan	4309 S Morgan St, Chicago, IL 60609	Feb. 17, 1963	54	November 1984
1004	Stephen Curry	548 Market St, San Francisco, CA 94104	Mar. 14, 1988	29	November 2009

Good Table:

Client ID	Client First Name	Client Last Name	Address	City	State	Postal	Birthday	Signing Year
jamesl1230	Lebron	James	416 Crestview Ave	Akron	OH	44320	12/30/1984	2003
kevind0929	Kevin	Durant	600 N GRAND AVE	TAHLEQUAH	OK	74464	09/29/1988	2008
kobeb0823	Kobe	Bryant	11693 San Vicente Blvd	Los Angeles	CA	90049	08/23/1978	1996
michaelj0217	Michael	Jordan	4309 S Morgan St	Chicago	IL	60609	02/17/1963	1984
stephenc0314	Stephen	Curry	548 Market St	San Francisco	CA	94104	03/14/1988	2009

Firstly, the content of "Client ID" field doesn't have any meaning in the bad table, and it is hard to memorize. Consequently, I create a meaningful ID by combining client's first name, the first character of client's last name and client's birthday. Second, "Client Name" field includes first name and last time, and then it will be difficult to be queried because we must input the full name to search. So, a better way to construct the name field is that "Client Name" is separated into "Client First Name" and "Client Last Name." Third, "Address" field should be executed with the same concept as "Client Name," and it should be divided into "Address," "City," "State" and "Postal" field. Fourth, I suggest that "Birthday" field should be recorded by only digits like "MM/DD/YY" not by characters like "Dec. 30, 1984". It will let programmer easily deal with this data. Fifth, we don't need to create "Age" field because programmers can use "Birthday" field to calculate the client's age. Finally, because all the clients were signed with the same month, Nov., it means that we don't need to have month data in this field.