

Option A- Instructor				
mame. P				
Course-id form Take Marring 1 Ragharon				
as well as Separate name.				
HT TO D				
If the Problem with this option is that we will have to				
maintain instructor table quite a lot as the instructions				
con change for a single course id frequently. So this is not				
Suggeste d.				
Control of the contro				
Option B				
emoliment for course for instructor.				
1. has 2 fact Rows for each student.				
This option is also not suggested as it will become				
Challenging to maintain such dable if mothetaris kasps				
on changing fay The courses				
O Colonto de Colonto d				
Recommended -> Option C				
Greating 2 fact tables.				
fact-A fad-A				
id Student-id				
Course -id Course-id				
Storrige 100				
Student emoliment By Fable				
Student construct fail table				
Answer: Option C is recommended so its conier to Maintain.				
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		icut to maintain	
1esser	dimensions S	scietable for static data	
option B. Earnie	ex derign	difficult to maintain	
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Scenario 2						
	an online brokage c commission when	ompany the customer buy a	nd sells stocks			
proposed design						
fact table	trade					
grain	one row per stock	trade				
dimension table	data					
	customer					
	account					
	security					
	trade type					
Two Scores are calculated		1-Each customer is placed into one of nine Customer Activity Segments based on their frequency of transactions, average transaction size, and recency of transactions.				
		profits earned as a	s assigned a Custom result of that custo s, with 5 being the n	omer's trades. The s		
Options	Scores	Criterion	strength	weal	kness	

Option A	The scores are attributes of the Customer dimension. When scores change, the old score is overwritten with the new score	simple approach less memory	write operations are not recommend
Option B Recommended	The scores are attributes of the Customer dimension. When scores change, new Customer dimension rows are created using the updated scores (Type 2 Slowly Changing Dimension)	historical data entry	will require more memory Bit difficult to set up pipline for data flow
Option C	The scores are stored in a separate Customer Scores dimension which contains 45 rows, one for each combi- nation of activity and profitability scores. The Trades fact table includes a foreign key to the CustomerScores dimension.	historical data entry	will require more memory but is suitable for static data Difficult to maintain if parameters are increased from 45 to higher or lower numbers.Not a dynamic approach
Option D	The scores are stored in a Customer Scores outrigger table which contains 45 rows. The Customer dimension includes a foreign key to the outrigger table (but the fact table does not). When scores change, the foreign key column in the Customer table is updated to point to the correct outrigger row	historical data	write operations are not recommend frequenctly ,chances of error and no historical data Also will occupy larger space