AQ3.1: Activity Question 1 - Not graded

**This assignment will not be graded and is only for practice.**

**Note : This activity is for your practice purpose only. Your score in this will not count towards the Qualifier Process.**

**Answer the following questions 1-4 using the given information:**  
  
Let us assume that we are working with a new dataset. Similar to the “Scores dataset”, this dataset is given to us in the form of cards. Each card has F*F* fields and there are N*N* cards in the dataset. This dataset is to be represented as a table with the fields in the card as the columns.

***1 point***

How many rows will the table have?

N*N*

F*F*

N+F*N*+*F*

N⋅F*N*⋅*F*

***1 point***

How many columns will the table have?

N*N*

F*F*

N+F*N*+*F*

N⋅F*N*⋅*F*

***1 point***

How many cells will the table have?

N*N*

F*F*

N+F*N*+*F*

N⋅F*N*⋅*F*

***1 point***

If a data entry operator takes t*t* seconds to enter the information in one cell, how much time will it take for the operator to completely fill the table?

N⋅t*N*⋅*t*

F⋅t*F*⋅*t*

(N+F)⋅t(*N*+*F*)⋅*t*

N⋅F⋅t*N*⋅*F*⋅*t*

Consider a tabular representation of the “Shopping Bills” dataset with the following columns:  
  
   
  
What is the *ID* of the card that occupies the maximum number of rows in this table?

***1 point***

***1 point***

Assume that each card in the “Shopping Bills” dataset is represented using the following pair of tables:  
  
 A close-up of a box

AI-generated content may be incorrect.  
  
Can any of the columns from either table be removed without losing information?

No column can be deleted without losing information

ID

Category

Total