**APRIORI ALGORITHM:**

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| As the support is given as 60% we need to calculate the support value which is calculated as  Support  Support = -------------------------------- \* No of Transactions  Support + Confidence  **(Note\*\* : If Support given in Percentage(%) then only we Need to use this formula)**  Ex: (60/60+80) \* 5  As we get the value is 2.14. any value below 2.14 will be deleted.  Support and confidence in the end will help us to know how frequently the item set occur in the transaction in this particular data set. |
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| New transaction table for the next level of candidates. |
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| For candidate C2 is the combination of previous L1 item sets |
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| The new L2 support.  The data set is combination of |
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| 3/3=== numerator 3 is the support and denominator 3 is total support that had in the first C1 candidature |
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| Anything below 80% is rejected.  Another Example: |
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| Here candidate C4 is rejected because support is 1. So we will calculate support and confidence for candidate C3. |
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| The minimum confidence is given 70% so all of them are less than 70% so all the association rules are rejected .  This is how Apriori algorithm helps us to find minimum confidence. |
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