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| 1 | <p>Write short notes on the following</p> <ul style="list-style-type: none"><li>a) Apriori and posterior analysis</li><li>b) Micro and macro analysis</li><li>c) Average, best and worst case analysis</li><li>d) Big oh Notation</li><li>e) Accounting &amp; potential Method of analysis</li></ul>  |
| 2 | <p>Write an complete algorithm with proper comments,style and structure for following problem</p> <p>An evil king has a cellar containing n bottles of expensive wine, and his guards have just caught a spy trying to poison the king's wine. Fortunately, the guards caught the spy after he succeeded in poisoning only one bottle. Unfortunately they don't know which one. To make the matter worse the poison the spy used was very deadly. Just one drop diluted even to a billion will still kill someone. Even so, the poison works slowly. It takes a full month for the person to die. Design a scheme that allows the evil king to determine exactly which one of his wine bottles was poisoned in just one month's time while expending at most <math>O(\log n)</math> of his taste testers.</p> |
| 3 | <p>Write an complete algorithm for Radix sort of 10 numbers in ascending order of their numbering.</p>  |