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| Construct a B+ tree for the following set of key values:  (2, 3, 5, 7, 11, 17,19, 23)  Assume that the tree is initially empty and values are added in ascending order. |
| Define the Second Normal Form. Explain with an Example. |
| What is the Difference between RAID (1+0) and RAID (0+1). |

Quiz 03

Quiz 01

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| Suppose you want to build a video site similar to YouTube. Consider each of the points listed in book, as disadvantages of keeping data in a file-processing system. Discuss the relevance of each of these points to the storage of actual video data, and to metadata about the video, such as title, the user who uploaded it, tags, and which users viewed it. |
| ***employee (person name, street, city) works (person name, company name, salary) company (company name, city)***  Consider the database above. Give an expression in the relational algebra to express the following queries:   1. Find the names of all employees who live in city “Miami”. 2. Find the names of all employees whose salary is greater than $100,000. 3. Find the names of all employees who live in “Miami” and whose salary is greater than $100,000. |