

- a. All keys hash to the same index - Searching time for the value will be linear running time and it is not recommended.
- b. All keys hash to different indices - Searching the value will be easy and it does not take linear time. This can be done with a good hashing function and it is recommended.
- c. All keys hash to an even-numbered index - If all the keys are hashed to an even numbered index then the searching time for the value will be linear running time and it is not recommended.
- d. All keys hash to different even-numbered indices - If all the keys are hashed to different even numbered index then searching the value will be easy and it does not take linear time. This can be done but 50% of the array size will be wasted and it will not be recommended.