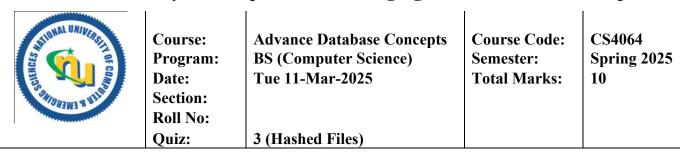
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Q. Suppose that we are using extendable/dynamic hashing on a file that contains records with the following search-key values: 2, 4, 5, 6, 7, 9, 10, 14, 15. Show the extendable hash structures for this file if the hash function is h(k) = k mod 8 and buckets can hold **three** records. <u>Use higher bits (i.e., left to right) of hash value to determine a directory entry.</u> Show your work.