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| 1 | Create a dictionary for words and their meanings. Write functions to add a new entry (word:meaning) , search for a particular word and retrieve meaning, given meaning find words with same meaning , remove an entry, display all words sorted alphabetically. [Program must be menu driven] |
| 2 | Write python code for the following using list comprehension.   1. Given a list L containing numbers, return a new list with cumulative sum, that is, a new list where the ith element is the sum of first i+1 elements from the original list.   For example, given a list [1,2,3,4] the result should be [1,3,6,10]   1. Find all numbers between a pair of numbers which are perfect squares and sum of all digits in the number is less than 10 |
| 3 | Given n, generate Pascal triangle for n rows. Use list of lists.  If n = 5, output should be  1  1 1  1 2 1  1 3 3 1  1 4 6 4 1  Check : str.format for formatting and replication operator to get # of spaces |

**PAP Week 2 Lab Assignments**