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| **Ex. 11** | **EXPLORING FILE OPERATIONS** |
| **Date:** | |
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**Aim:**

To explore file operations in Python by writing programs for the following:

1. Create a new text file and write 10 lines into it.
2. Read the text file created above and count the number of words, characters, and lines in it. Find the frequency of occurrence of each word and character.
3. Read only the first 2 lines of the text file created above and print them. Then skip the next 4 characters and print the remaining characters in the line. Then, skip 3 lines and print the remaining lines.
4. Create a text file with several lines. Compute the unigram, bigram, and trigram probabilities (that is, probability of occurrence of each word, pair of words, and combination of 3 words). Remove all punctuation marks from the text before computing the probabilities. Store the computed probabilities in dictionaries and display them.

**Algorithm:**

**Program:**

**Screenshot of Output:**

**Result:**

Thus, programs have been written and executed to explore file operations in Python.