Insertion and Deletion of lines With sed Command

➢ **We can insert/delete a line based on line number or search string**

➢ **Inserting New Line:**
➢ **Syntax:**
  ➢ **sed [options] 'commands' fileName**

  ➢ **sed '1i NewLineInfo' fileName ➔ Defaults to stdout   : Inserts new data before first line**
  ➢ **sed –i '1i NewLineInfo' fileName ➔ Insert a New Line in file**
  ➢ **sed –i.bak 1i NewLineInfo' fileName ➔ Take backup and edit**

  ➢ **sed –i '1a NewLineInfo' fileName ➔ Inserts data after first line**

  ➢ **sed –i '$a NewLineInfo' fileName ➔ Inserts data after last line**

  ➢ **sed –i '/SearchString/i NewLineInfo' fileName**
  ➢ **sed –i '/SearchString/a NewLineInfo' fileName**

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➢ **Deleting Lines:**

➢ **Syntax:**

    ➢ **sed [options] 'commands' fileName**

    ➢ **sed '1d' fileName** ➔ **Defaults to stdout : Deletes the first line**

    ➢ **sed –i '1d' fileName** ➔ **Deletes the line from a file**

    ➢ **sed –i.bak '1d' fileName** ➔ **Take backup and delete**

    ➢ **sed -i '5,7d' fileName** ➔ **deletes the lines from 5th to 7th**

    ➢ **sed -i '4,$d' fileName** ➔ **deletes the lines from 4th to last line**

    ➢ **sed –i '$d' fileName** ➔ **delete the last line**

    ➢ **sed -i '$!d' filename** ➔ **delete all lines except last line**

    ➢ **sed -i '1,+3d' fileName** ➔ **delete 1st and 3 lines after that**

    ➢ **sed -i '1~3d' fileName** ➔ **delete 1st and every 3rd line after that**

    ➢ **sed -i '/SearchString/d' fileName** ➔ **Delete the lines which are having root string**