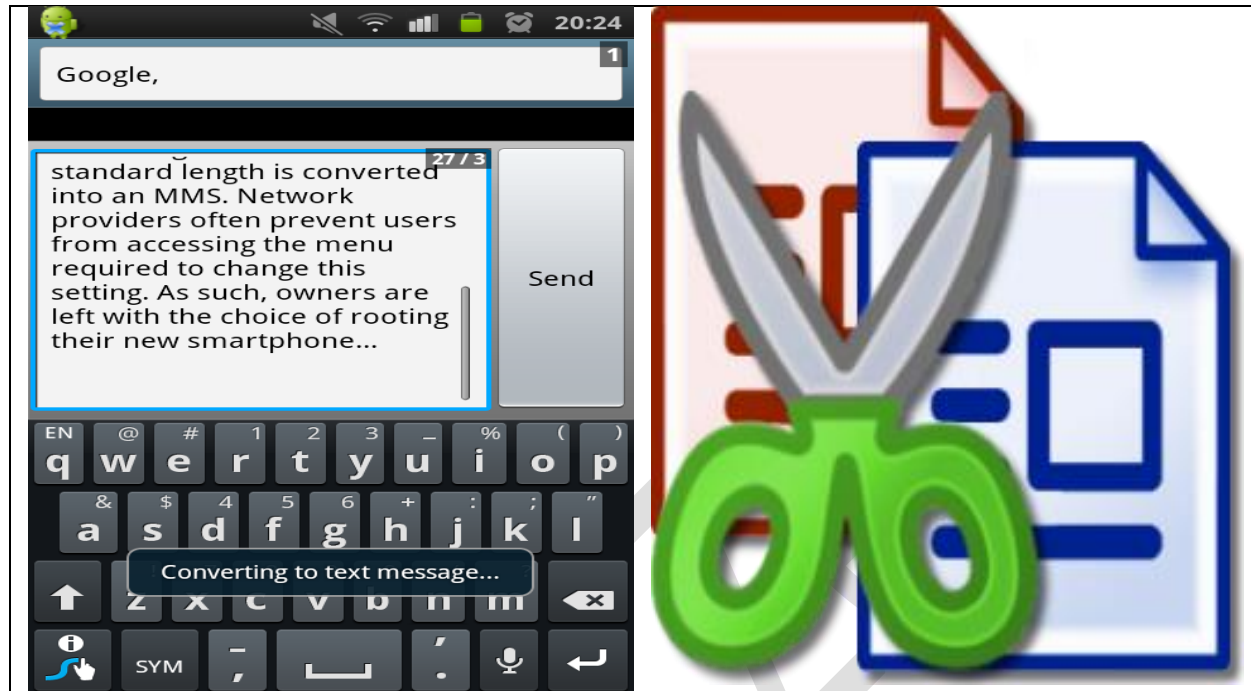


CREATIVE PROBLEM SOLVING

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MESSAGE SPLITTER

CONCEPTS: File Handling

LEVEL: Medium

There is a maximum character cap on number of letters in a mobile SMS. If an SMS exceeds this limit then message is sent as two or more sms of allowed length. Same way, while uploading BIG files on websites where there is a maximum size limit for one particular file, we need to split our file into multiple files of allowed size. This exercise is about writing a file splitter program.

PROBLEM STATEMENT

Given a file path as input to a function, split the file to contain multiple files with names file1.txt, file2.txt and so on. In such a way that each file contains exactly N number of lines from original file, once N lines have been written to a part - a new part is created.

```
void splitFile(char *inputFilePath, int lineCount);
```

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SAMPLE TEST CASES

	Input	Output
Test Case	splitFile("Input.txt", 2); // Contents of file This is first line. This is second line. This is third line. This is fourth line. This is fifth line.	File1.txt This is first line. This is second line. File2.txt This is third line. This is fourth line. File3.txt This is fifth line.