In Table 1, the authors compare several alternative architectures for portable computing. One architecture unmentioned by the authors is that of cloud-based applications, such as Google Docs, in which an application is written in JavaScript, made available by a web server, and runs within the web browser’s execution environment (in a JavaScript interpreter) on a client PC (either a laptop or desktop). Such cloud-based applications offer long-term storage of the user’s documents within the cloud, but store the working copy on the client while the user is using the application.

Which column within Table 1 do cloud-based applications match, and why? Or if they match no column, what column entries correctly describe cloud-based applications’ characteristics? In your answer, focus on a text editor like Google Docs.

Finally, consider all the applications given as examples in Section 2.2.1. Does the cloud-based application model work well for all these applications? Why or why not?