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COVID-19 Cases Priority Data Analyse in Canada

A worldwide pandemic is a new world crisis that is ever changing and evolving. With a worldwide event such as COVID-19, comes lots of data. The data that is collected must be put into some form of organization or structure so that it may be analyzed and used to fight against the virus. By using the available data about Canada, we plan to investigate the provinces, territories and the regions within them and how the number of cases show up respectively. This will be done by grabbing data sets from the internet and bringing them into a Java program that will utilize a priority queue to organize the case values from the various provinces in Canada into a visual representation. The progression of the virus will be shown by utilizing the values collected over multiple days. The values will be brought in from a csv file and then added to the queue. Since a priority queue will be utilized, the number of cases can be used as a priority level to see which areas are affected more by the virus than others. Once they are ordered by the priority queue they can be collected into a visual representation showing priority.