



The **DataProcessingApp** iterates over each **IData** object in the **DataGenerator** to display each object's ID and content. In order for this to be possible, the **DataGenerator**'s constructor passes the low and high ints to the filter by calling `process` on the given filter. The given filter in this case is the **PrimeFilter** which creates the appropriate **Data** objects after receiving the two ints and places the **Data** instances into its **List**. The **List** is then passed to the **PrimeFilterIterator** to create an **Iterator** for the **IData** objects. Additional filters would implement the **IFilter** interface and also implement their own **Iterators**, relieving the control of execution to the framework.