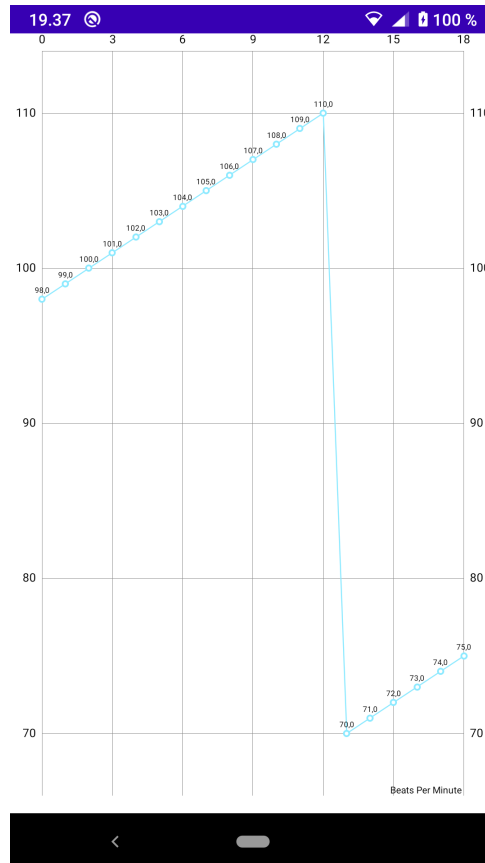In this exercise we study visualizing data as a graph.

Exercise Graph using Heart Rate measurements

Use your previous Bluetooth application to collect Heart Rate measurement values and visualize them as a graph. First you select the Bluetooth address to make a connection, then the application starts to show the Heart Rate measurement values. When you click the value number, a new Composable will start where you can show the graph of those measurements with the measurement index (0 - first measurement, 1 - second measurement, etc.).

Hint 1: Collect data from the onCharacteristicChanged() function to a list in the ViewModel.

Hint 2: If you pass the same ViewModel to the main Compose function and graph drawing function, you can use the ViewModel instance to pass the data between composable functions.

Hint 3: Use whatever graph-library you want, MPAndroidChart is just one possibility.

Hint 4: If you don't have Heart Rate measurements data available, use RSSI indicator values from the Bluetooth API, for example. Or use some other data source.