

```
1  import java.util.ArrayList;
2
3  import com.sun.corba.se.impl.ior.FreezableList;
4
5  /**
6   * this class contains the data output for a specific channelId
7   */
8  class ChannelData{
9      private int channelId;
10     private int frequency;
11     private List<DataPoint> data;
12
13     // IT SHOULD BE NOTED - That by the point this object needs to be created, one
14     // could calculate how many bits of
15     // data should be expected over the blocks provided to the program. If given
16     // more time I would add this in.
17
18     public ChannelData(int channelId, int frequency){
19         this.channelId = channelId;
20         this.frequency = frequency;
21         this.data = new ArrayList<>();
22     }
23
24     public void addDataToChannel(DataPoint dataPoint){
25         data.add(dataPoint);
26     }
27
28     public int getChannelId(){
29         return channelId;
30     }
31
32     public int getFrequency(){
33         return frequency;
34     }
35 }
```