

```
1 package numbers;
2
3 import java.util.HashMap;
4 import java.util.Map;
5 import java.util.Random;
6
7
8
9 public class Samples
10 {
11     private Map<Integer, Sample> samples
12         = new HashMap<Integer, Sample>();
13
14     private Random randomGen = new Random();
15
16
17     public Sample getSample(int sampleID)
18     {
19
20
21
22
23
24
25         return samples.get(sampleID);
26     }
27
28
29     public int newSample()
30     {
31         int key;
32
33         do
34         {
35             key = randomGen.nextInt();
36         }
37         while(samples.containsKey(key));
38
39         samples.put(key, new Sample());
40
41
42
43
44         return key;
45     }
46
47
48
49
50     public void remove(int sampleID)
51     {
52         samples.remove(sampleID);
53     }
54 }
55
```