

```
1 package edu.asu.msrs.artcelerationlibrary;
2
3 /**
4  * Created by rlikamwa on 10/26/2016.
5  */
6 import android.os.MemoryFile;
7 import android.os.ParcelFileDescriptor;
8
9 import java.io.FileDescriptor;
10 import java.io.IOException;
11 import java.lang.reflect.InvocationTargetException;
12 import java.lang.reflect.Method;
13
14 public class MemoryFileUtil {
15     private static final Method sMethodGetFileDescriptor;
16     static {
17         sMethodGetFileDescriptor = get("getFileDescriptor");
18     }
19
20
21     public static FileDescriptor getFileDescriptor(MemoryFile file) {
22         try {
23             return (FileDescriptor) sMethodGetFileDescriptor.invoke(file);
24         } catch (IllegalAccessException e) {
25             throw new RuntimeException(e);
26         } catch (InvocationTargetException e) {
27             throw new RuntimeException(e);
28         }
29     }
30     public static ParcelFileDescriptor getParcelFileDescriptor(MemoryFile file) throws
IOException {
31         return ParcelFileDescriptor.dup(getFileDescriptor(file));
32     }
33 }
34 private static Method get(String name) {
35     try {
36         return MemoryFile.class.getDeclaredMethod(name);
37     } catch (NoSuchMethodException e) {
38         throw new RuntimeException(e);
39     }
40 }
41 }
42
```