

Android code of Internal Storage

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/textView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="5dp"
        android:text="Android Read and Write Text from/to a File"
        android:textAlignment="center"
        android:textStyle="bold"
        android:textSize="28sp"
        android:layout_marginTop="10dp"/>

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView1"
        android:layout_marginTop="22dp"
        android:minLines="5"
        android:layout_margin="5dp">

        <requestFocus />
    </EditText>

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/editText1"
        android:layout_alignParentStart="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="74dp"
        android:layout_marginTop="33dp"
        android:onClick="WriteBtn"
        android:text="Write Text into File and Save" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/editText1"
        android:layout_centerInParent="true"
        android:layout_marginStart="-292dp"
        android:layout_marginTop="128dp"
        android:layout_toEndOf="@id/button1"
```

```
        android:onClick="ReadBtn"  
        android:text="Text Shown in the editText Box" />
```

```
</RelativeLayout>
```

MainActivity.kt

```
import android.os.Bundle
import android.app.Activity
import android.view.View
import android.widget.EditText
import android.widget.Toast
import java.io.FileInputStream
import java.io.FileOutputStream
import java.io.InputStreamReader
import java.io.OutputStreamWriter

class MainActivity : Activity() {

    private lateinit var textmsg: EditText
    private companion object {
        const val READ_BLOCK_SIZE = 100
        const val FILE_NAME = "mytextfile.txt"
    }

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        textmsg = findViewById(R.id.editText1)
    }

    // Write text to file
    fun WriteBtn(v: View) {
        // Write text into file
        try {
            val fileout: FileOutputStream = openFileOutput(FILE_NAME, MODE_PRIVATE)
            val outputWriter = OutputStreamWriter(fileout)
            outputWriter.write(textmsg.text.toString())
            outputWriter.close()

            // Display file saved message
            Toast.makeText(baseContext, "File saved successfully!", Toast.LENGTH_SHORT).show()

        } catch (e: Exception) {
            e.printStackTrace()
        }
    }

    // Read text from file
    fun ReadBtn(v: View) {
        // Reading text from file
        try {
            val fileIn: FileInputStream = openFileInput(FILE_NAME)
            val inputRead = InputStreamReader(fileIn)

            val inputBuffer = CharArray(READ_BLOCK_SIZE)
            var s = ""
            var charRead: Int
```

```
while (inputRead.read(inputBuffer).also { charRead = it } > 0) {  
    // Char to string conversion  
    val readstring = String(inputBuffer, 0, charRead)  
    s += readstring  
}  
inputRead.close()  
textmsg.setText(s)  
  
} catch (e: Exception) {  
    e.printStackTrace()  
}  
}  
}
```

In the mentioned path is the code when you run the code and create write something and save it.

/data/user/0/com.example.internalstorage/files/abc.txt