

Week 6 File

6.1 Implement Write/Read files to **internal storage**. Follow step by step at <https://goo.gl/Sgshud> and Youtube [video](#)

6.2 Create a diary app (1 Activity)

6.2.1 One EditText (Input file name)

6.2.2 One Multiple-line EditText (Input your daily note)

6.2.3 One Button (Save file to internal storage)

6.2.4 Toast shows list of all file names

- Hint: `File files = getFilesDir();`

LAB 6.2

```
public class MainActivity extends AppCompatActivity {

    EditText fileNameEdt;
    EditText dataEdt;
    Button saveBtn;
    String fileName = "";
    String dataToSave = "";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        fileNameEdt = (EditText)findViewById(R.id.editText);
        dataEdt = (EditText)findViewById(R.id.editText2);
        saveBtn = (Button)findViewById(R.id.button);

        saveBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Context context = getApplicationContext();
                fileName = fileNameEdt.getText().toString();
                dataToSave = dataEdt.getText().toString();
                try {
                    //Save file
                    FileOutputStream os = openFileOutput(fileName,
                        context.MODE_PRIVATE);
                    os.write(dataToSave.getBytes());
                    os.close();

                    //Get name of saving files
                    File dir = getFilesDir();
```

```

        File[] fileArr = dir.listFiles();
        StringBuilder strb = new StringBuilder();
        for(int i=0; i<fileArr.length; i++)
        {
            String fileName = fileArr[i].getName();
            strb.append(fileName);
            strb.append(" , ");
        }

        String listFiles = strb.toString();
        Toast t = Toast.makeText(context,listFiles,Toast.LENGTH_LONG);
        t.show();

    }
    catch(IOException e){
        e.printStackTrace();
    }
}
});
}
}
}

```

6.3 Implement Write/Read files to external storage

Note.

For access saving files in emulator

- Open Terminal at Finder > Applications > Utilities > Terminal
 - Type "cd /Users/admin/Library/Android/sdk/platform-tools"
 - Type "./adb pull /data/data/[your app package name]/files/[your file name]"