

globsyn 

*Taking People To The Next Level*



# globalsyn



**globsyn**   
**finishing school**

# **Saving Files**



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## | Saving Files

♣ Topics to be covered in this session:

- Saving files

# Saving Arbitrary Data

If you save the arbitrary files in Android's file system is a very important task.

Android's file system contains two types of memories

- ♣ Internal Memory, which is nothing but the in-built memory that is available at all times.
- ♣ External Memory, a memory that comes from an external device such as a SD card. It is not available at all times.

# Permissions to Save in External Memory

- 1 To save a file to the external memory of the Android device, you need to obtain proper permissions.
- 2 That following code can be used to obtain necessary permissions.

```
<manifest ...>  
    <uses-permission  
android:name="android.permission.WRITE_EXTERNAL_STORAGE" />  
    ...  
</manifest>
```

- 3 You do not need special permissions to perform save function in internal memory.

# How to Save a File in Internal Memory?

- 1 To save the file in a directory, you need to have the location of that directory. This can be achieved by calling either `getFilesDir()` or `getCacheDir()`
- 2 After getting the directory location, you can save the file you want to save in that Directory using the following code sequence.

```
File file = new File(context.getFilesDir(), filename);
```




# How to Save a File in Internal Memory?

First, you need permissions to save a file in an external memory device. After you get that, you should call `getExternalStorageState()` method. If the method returns the value `MEDIA_MOUNTED`, it means that your SD card is ready to work.

Now, you can use the `getExternalStoragePublicDirectory()` method to get the needed directory where you can store the file. After you get that, you can store the file using the following syntax

```
File file = new File(Environment.getExternalStoragePublicDirectory(  
    Environment.DIRECTORY_PICTURES), albumName);
```

A dark, stylized silhouette of a bird, possibly an eagle or hawk, is shown in flight. The bird's wings are spread wide, and its tail is visible. The background is a dark, textured gradient, possibly representing a night sky or a deep forest. The overall tone is mysterious and powerful.

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