data storage

shared Preferences

SQLite databases

internal storage

external storage

network selection

Shared Preferences

It is key.value store where you can save\

on each entry <key value>,the key is string and the value key must ve primitive data type

Preferences are similar to bundles however these are persistent while bundle are not.

API calls

getPreferences(): from within your activity ,to access activity specific preferences

getSharedPreferences(): from within your activity to access application level preferences

getDefaultSharedPreferences(): on preferences manager,to get shared preferences that work in concert with android's overall preference framework

SQLite database

used to store large amounts of same structured data

creating and updating database

android.database package contain all necessary classes for working with db

android.database.sqlite package

SQLiteDatabase class exposes methods to manage a SQLite db

SQLiteDatabase has method to create,delete etc

db.execsql()

SQLite open Helper class: call super() method of SQLiteOpenHelper specifying the db name and the current database version.

example query :CREATE TABLE"+DICTIONARY\_NAME+"("+KEY\_WORD+"TEXT,"+KEY\_DEFINITON+"TEXT);";

To create and write a private file to internal storage

FileOutputStream fOut=open

The method openFileOutput() returns an instance of FileOutputStream Hence you receive it in the object of ileInputStream. After that you can call write method to write data o the file. It’s Syntax

String str="data";

Reading file

External Storage

Getting access

In order to read or write files on external storage,your app must acquire the READ\_EXTERNAL\_STORAGE, WRITE\_EXTERNAL\_STORAGE

CHECKING media availability

Before you do any activity with external storage,you should always call getExternalStorageState() to check the state of the media

Mounted

Missing

Network Connection

You can use the network to store and retrieve data on your own web based services.

**Comparision**

**Interanal Storage**

Data can be anything

Any size (not preferred large)

Complex search operation

Not accessible to other applications

**Shared Preferences**

Data is primitive type

Data is samall

Operation is fast

Not accessible to other app.

**SQLite Database**

Data is complex type

Data is in large amount

Operation is slow

Not accessible to other app.