

Functions Reference

Program 1 - Login Form:

- `onCreate()` - Initializes the activity and UI components
- `Login()` - Handles login button click
- `isValidCredentials()` - Validates username and password

Program 2 - Activity Lifecycle:

- `onCreate()` - Called when activity is first created
- `onStart()` - Called when activity becomes visible
- `onResume()` - Called when activity starts interacting with user
- `onPause()` - Called when activity loses focus
- `onStop()` - Called when activity is no longer visible
- `onDestroy()` - Called before activity is destroyed
- `onRestart()` - Called after stopping before starting again

Program 3 - Calculator:

- `onCreate()` - Initializes calculator UI and components
- `Add()` - Performs addition
- `Sub()` - Performs subtraction
- `Mul()` - Performs multiplication
- `Div()` - Performs division
- `Clear()` - Clears input fields

Program 4 - UI Validations:

- `onCreate()` - Sets up UI components
- `validateInputs()` - Validates email and password inputs

Program 5 - Registration with SharedPreferences:

- `onCreate()` - Initializes registration form

- `registerUser()` - Handles registration and saves data
- `displayData()` - Shows registered user details

Program 7 - Facebook Layout:

- `onCreate()` - Sets up Facebook UI layout
- `openFacebook()` - Opens Facebook URL/app

Program 8 - Adapters and Exception Handling:

- `onCreate()` - Initializes GridView with adapter
- `fetchData()` - Gets data for adapter
- Exception handling for `IndexOutOfBoundsException`

Program 9 - Multiple Activities:

- `onCreate()` - Sets up activities
- Intent handling to navigate between activities

Program 10 - ListView with ArrayAdapter:

- `onCreate()` - Sets up ListView with array adapter
- `onItemClick()` - Handles list item clicks

Program 11 - Spinner:

- `onCreate()` - Initializes spinner with adapter
- `onItemSelected()` - Handles spinner selection events

Program 12 - SQLite Database:

- `onCreate()` - Creates database and tables
- `insertUser()` - Inserts user data
- `getAllUsers()` - Retrieves all user records
- Database CRUD operations using SQLite