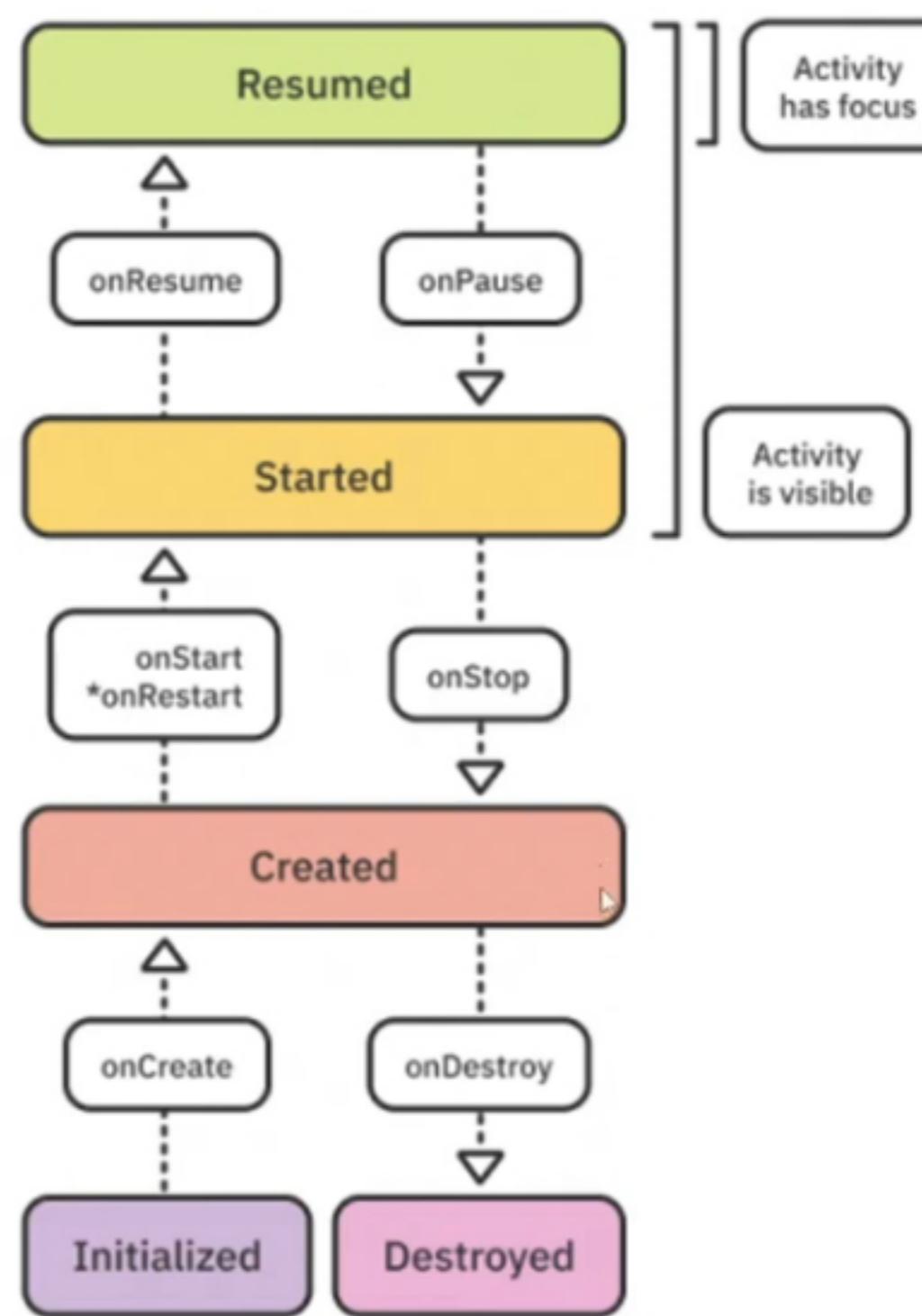


The Activity Lifecycle



Initialized	Activity instance is created and its properties initialized.
Created	Activity is now completely initialized and ready to configure its UI.
Started	Activity is visible to the user.
Resume	Activity is visible to the user and has focus. In this state, the user is likely interacting with the activity.
Destroyed	Activity is destroyed and the OS can reclaim its memory.

The screenshot shows the Android Studio interface with the project 'pract2' open. The main window displays the code for `MainActivity.java`. The code contains four overridden methods: `onCreate`, `onStart`, `onResume`, and `onPause`. Each method includes a call to `super.onXXX()` and a log message indicating the current activity state.

```
10
11 @Override
12 protected void onCreate(Bundle savedInstanceState) {
13     super.onCreate(savedInstanceState);
14     setContentView(R.layout.activity_main);
15     Log.d(msg, msg: "we are in On Create Method");
16 }
17
18 @Override
19 protected void onStart() {
20     super.onStart();
21     Log.d(msg, msg: "we are in On Start Method");
22 }
23
24 @Override
25 protected void onResume() {
26     super.onResume();
27     Log.d(msg, msg: "we are in On Resume Method");
28 }
29
30 @Override
31 protected void onPause() {
32     super.onPause();
33     Log.d(msg, msg: "we are in On Start Method");
34 }
```

The screenshot shows the Android Studio interface with the project 'pract2' open. The code editor displays `MainActivity.java` under the package `com.example.pract2`. The code contains four overridden methods: `onResume()`, `onPause()`, `onStop()`, and `onDestroy()`. Each method includes a call to `super` and a log message indicating the current state.

```
21     }
22
23     @Override
24     protected void onResume() {
25         super.onResume();
26         Log.d(msg, msg: "we are in On Resume Method");
27     }
28
29     @Override
30     protected void onPause() {
31         super.onPause();
32         Log.d(msg, msg: "we are in On pause Method");
33     }
34
35     @Override
36     protected void onStop() {
37         super.onStop();
38         Log.d(msg, msg: "we are in On stop Method");
39     }
40
41     @Override
42     protected void onDestroy() {
43         super.onDestroy();
44         Log.d(msg, msg: "we are in On Start Method");
45     }
```

```
activity_main.xml × MainActivity.java ×
1 package com.example.pract2;
2
3 import ...
7
2 usages
8 <MainActivity> public class MainActivity extends AppCompatActivity {
9     String msg="Activity Life Cycle";
10    @Override
11    protected void onCreate(Bundle savedInstanceState) {
12        super.onCreate(savedInstanceState);
13        setContentView(R.layout.activity_main);
14        Log.d(msg, msg: "we are in On Create Method");
15    }
16
17    @Override
18    protected void onStart() {
19        super.onStart();
20        Log.d(msg, msg: "we are in On Start Method");
21    }
22
23 }
```