

* Application for progress dialog box

```
<?xml version = "1.0" encoding = "utf-8"?>
```

```
<manifest xmlns:android = "http://schemas.android.com/apk/res/dialog">
```

```
    package = "com.example.progress_dialog">
```

```
<application>
```

```
    android: allowBackup = "true"
```

```
    android: icon = "@mipmap/ic_launcher"
```

```
    android: label = "Progress Dialog"
```

```
    android: roundIcon = "@mipmap/ic-launcher-round"
```

```
    android: supportsRtl = "true"
```

```
    android: theme = "@style/AppTheme">
```

```
    <activity android:name = "MainActivity">
```

```
        <intent-filter>
```

```
            action android:name = "android.intent.action.Main"/>
```

```
        <category android:name = "android.intent.category.LAUNCHER"/>
```

```
</intent-filter>
```

```
<activity>
```

```
</application>
```

```
</manifest>
```

Android-main.xml

18B38/A05B3

```

<?xml version = "1.0" encoding = "utf-8"?>
<LinearLayout xmlns: android = "http://schemas.android.
com/apk/res/android"
    xmlns: app = "http://schemas.android.com/apk/res-auto"
    xmlns: layout -width = "match-parent".
    xmlns: layout -height = "match-parent"
    android: orientation = "vertical".
    tools: context = ".MainActivity" ,

```

Button

```

        android: id = "@+id/button"
        android: layout -width = "match-parent"
        android: layout -height = "wrap-content"
        android: text = "Download"
        android: onClick = "download" />

```

</LinearLayouts>

MainActivity.java

```

package com.example.progress_dialog;
import android.app.AlertDialog;
import android.app.Dialog;
import android.app.DialogInterface;
import android.content.Context;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;

```

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```

public class MainActivity extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        super.setContentView(R.layout.activity_main);
    }

    public void download(View view) {
        Progress = new ProgressDialog(this);
        Progress.setMessage("Downloading Music");
        Progress.setStyle(ProgressDialog.STYLE_SPINNER);
        Progress.setIndeterminate(true);
        Progress.setProgress(0);
        Progress.show();
    }

    final int totalProgressTime = 100;
    final Thread t = new Thread() {
        public void run() {
            int jumpTime = 0;
            while (jumpTime < totalProgressTime) {
                try {
                    sleep(200);
                    jumpTime += 5;
                    Progress.setProgress(jumpTime);
                } catch (InterruptedException e) {
                    e.printStackTrace();
                }
            }
            t.start();
        }
    };
}

```