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SECTION:5CSE-4

BATERY- CHARGER APPLICATION

1.main Activity.xml:

```
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    <TextView
    <ProgressBar
```

2. Main Activity. java:

```
protected void onStop() {
protected void onCreate(Bundle savedInstanceState) {
```

3.Battery.java:

```
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.content.res.ColorStateList;
import android.graphics.Color;
import android.widget.ProgressBar;
import android.widget.TextView;

public class Battery extends BroadcastReceiver {
    TextView tv;
    ProgressBar prog;
    Battery(TextView textView, ProgressBar progressBar) {
        tv=textView;
        prog=progressBar;
    }
}
```

```
Public void onReceive(Context context, Intent intent) {
    int per=intent.getIntExtra("level", 0);
    if(per>=50) {
        tv.setText(per+"%");
        prog.setProgress(per);
        prog.setProgressTintList(ColorStateList.valueOf(Color.GREEN));
    }
    else if (per<50 && per>=20) {
        tv.setText(per+"%");
        prog.setProgress(per);
        prog.setProgressTintList(ColorStateList.valueOf(Color.YELLOW));
    } else if (per<20 &&per>0) {
        tv.setText(per+"%");
        prog.setProgress(per);
        prog.setProgress(per);
        prog.setProgress(per);
        prog.setProgressTintList(ColorStateList.valueOf(Color.RED));
    }
}
```

5.output:







