第一种

**package** com.example.cardgame1;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **int flipCount** = 0;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 Button btn = findViewById(R.id.***button***);  
 btn.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Button card = (Button)v;  
 **if** (card.getText() ==**""**) {  
 card.setText(**"♥️♥️♥️"**);  
 card.setBackgroundResource(R.drawable.***blankcard***);  
 }**else**{  
 card.setText(**""**);  
 card.setBackgroundResource(R.drawable.***stanfordtree***);  
 }  
 **flipCount**++;  
 TextView textView = findViewById(R.id.***textView***);  
 textView.setText(**"已经翻牌"**+**flipCount**+**"次"**);  
 }  
 });  
 }  
}

第二种

**package** com.example.cardgame2;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
**import** android.view.View;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener{  
  
 **int flipCount** = 0;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 Button btn = findViewById(R.id.***button***);  
 btn.setOnClickListener(**this**);  
 }  
  
 @Override  
 **public void** onClick(View v) {  
 Button card = (Button)v;  
 **if**(card.getText() == **""**) {  
 card.setText(**"♥️♥️♥️"**);  
 card.setBackgroundResource(R.drawable.***blankcard***);  
 }**else** {  
 card.setText(**""**);  
 card.setBackgroundResource(R.drawable.***stanfordtree***);  
 }  
 **flipCount**++;  
 TextView textView = findViewById(R.id.***textView***);  
 textView.setText(**"已经翻牌"**+**flipCount**+**"次"**);  
 }  
}

第三种

**package** com.example.cardgame2;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
**import** android.view.View;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **int flipCount** = 0;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 Button btn = findViewById(R.id.***button***);  
 }  
  
 **public void** buttonClicked(View v) {  
 **if** (v.getId() == R.id.***button***) {  
 Button card = (Button) v;  
 **if**(card.getText() == **""**) {  
 card.setText(**"♥️♥️♥️"**);  
 card.setBackgroundResource(R.drawable.***blankcard***);  
 }**else** {  
 card.setText(**""**);  
 card.setBackgroundResource(R.drawable.***stanfordtree***);  
 }  
 **flipCount**++;  
 TextView textView = findViewById(R.id.***textView***);  
 textView.setText(**"已经翻牌"**+**flipCount**+**"次"**);  
 }  
 }  
}

