

Código XML

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/txtJogador"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:text="Jogador X"
        android:textColor="@android:color/darker_gray"
        android:textSize="32dp"
        android:textStyle="bold"
        android:layout_marginTop="32dp"
    />

    <Button
        android:id="@+id/btn2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@id/btn5"
        android:layout_centerHorizontal="true"
    />

    <Button
        android:id="@+id/btn1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@id/btn5"
        android:layout_toLeftOf="@id/btn2"
        android:layout_marginRight="5dp"
    />

    <Button
        android:id="@+id/btn3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@id/btn5"
        android:layout_toRightOf="@id/btn2"
        android:layout_marginLeft="5dp"
    />

    <Button
        android:id="@+id/btn4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_toLeftOf="@id/btn2"
        android:layout_centerVertical="true"
        android:layout_marginRight="5dp"
    />
```

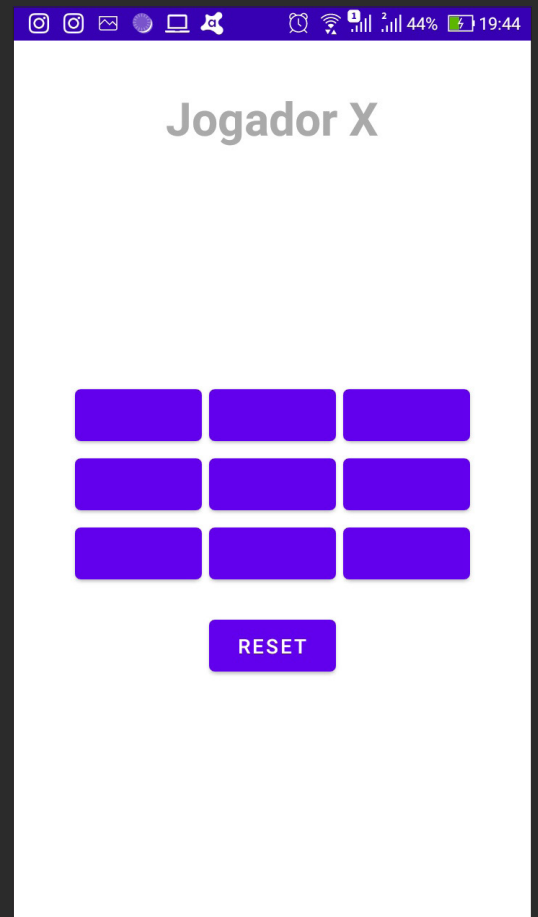
Continuação →

```
<Button
    android:id="@+id/btn5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_marginRight="5dp"
/>
<Button
    android:id="@+id/btn6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_toRightOf="@id/btn2"
    android:layout_centerVertical="true"
    android:layout_marginLeft="5dp"
/>
<Button
    android:id="@+id/btn7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/btn4"
    android:layout_toLeftOf="@id/btn8"
    android:layout_marginRight="5dp"
/>

<Button
    android:id="@+id/btn8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/btn4"
    android:layout_centerHorizontal="true"
/>
<Button
    android:id="@+id/btn9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/btn4"
    android:layout_toRightOf="@id/btn8"
    android:layout_marginLeft="5dp"
/>
<Button
    android:id="@+id/btnReset"
    android:text="Reset"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/btn8"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="16dp"
/>
```

```
</RelativeLayout>
```

Tela inicial



Código JAVA

```
public class MainActivity extends AppCompatActivity {
    String jogador = "X";
    public void trocaJogador () {
        if(jogador.equals("X")) {
            jogador = "O";
        }
        else {
            jogador = "X";
        }
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        getSupportActionBar().hide();

        final Button btn1Prog = (Button) findViewById(R.id.btn1);
        final Button btn2Prog = (Button) findViewById(R.id.btn2);
        final Button btn3Prog = (Button) findViewById(R.id.btn3);
        final Button btn4Prog = (Button) findViewById(R.id.btn4);
        final Button btn5Prog = (Button) findViewById(R.id.btn5);
        final Button btn6Prog = (Button) findViewById(R.id.btn6);
        final Button btn7Prog = (Button) findViewById(R.id.btn7);
        final Button btn8Prog = (Button) findViewById(R.id.btn8);
        final Button btn9Prog = (Button) findViewById(R.id.btn9);
        final Button btnResetProg = (Button) findViewById(R.id.btnReset);
        final TextView textJogadorProg = (TextView) findViewById(R.id.txtJogador);

        btn1Prog.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                btn1Prog.setText(jogador);
                trocaJogador();
                btn1Prog.setClickable(false);
                textJogadorProg.setText("Jogador: "+jogador);}
        });
        btn1Prog.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                btn1Prog.setText(jogador);
                trocaJogador();
                btn1Prog.setClickable(false);
                textJogadorProg.setText("Jogador: "+jogador);}
        });
        btn2Prog.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                btn2Prog.setText(jogador);
                trocaJogador();
                btn2Prog.setClickable(false);
                textJogadorProg.setText("Jogador: "+jogador);}
        });
    }
}
```

Continuação →

```
btn3Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn3Prog.setText(jogador);
        trocaJogador();
        btn3Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
btn4Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn4Prog.setText(jogador);
        trocaJogador();
        btn4Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
btn5Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn5Prog.setText(jogador);
        trocaJogador();
        btn5Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
btn6Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn6Prog.setText(jogador);
        trocaJogador();
        btn6Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
btn7Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn7Prog.setText(jogador);
        trocaJogador();
        btn7Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
btn8Prog.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        btn8Prog.setText(jogador);
        trocaJogador();
        btn8Prog.setClickable(false);
        textJogadorProg.setText("Jogador: "+jogador);
    }
});
```

Continuação →

```
btn9Prog.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        btn9Prog.setText(jogador);  
        trocaJogador();  
        btn9Prog.setClickable(false);  
        textJogadorProg.setText("Jogador: "+jogador);  
    }  
});  
btnResetProg.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        btn1Prog.setClickable(true);  
        btn1Prog.setText("");  
        btn2Prog.setClickable(true);  
        btn2Prog.setText("");  
        btn3Prog.setClickable(true);  
        btn3Prog.setText("");  
        btn4Prog.setClickable(true);  
        btn4Prog.setText("");  
        btn5Prog.setClickable(true);  
        btn5Prog.setText("");  
        btn6Prog.setClickable(true);  
        btn6Prog.setText("");  
        btn7Prog.setClickable(true);  
        btn7Prog.setText("");  
        btn8Prog.setClickable(true);  
        btn8Prog.setText("");  
        btn9Prog.setClickable(true);  
        btn9Prog.setText("");  
    }  
});  
}
```

Jogo Funcionando

