```java
public class MainActivity extends AppCompatActivity {
    3 usages
    int result;
    1 usage
    static int getRandomNumber(int max, int min) {
        return (int)((Math.random()  * (max - min)) + min);
    }


    3 usages
    public void makeToast(String str) {
        Toast.makeText( context: MainActivity.this, str, Toast.LENGTH_SHORT).show();
    }
    1 usage
    public void clickFunction(View view) {
        int userGuessing;
        EditText variable = (EditText)findViewById(R.id.editId);
        userGuessing = Integer.parseInt(variable.getText().toString());

        if (userGuessing < result) {
            makeToast( str: "Think of Higher Number, Try Again");
        }
        else if (userGuessing > result) {
            makeToast( str: "Think of Lower Number, Try Again");
        }
        else {
            makeToast( str: "Congratulations, You Got the Number");
        }
    }
}
```
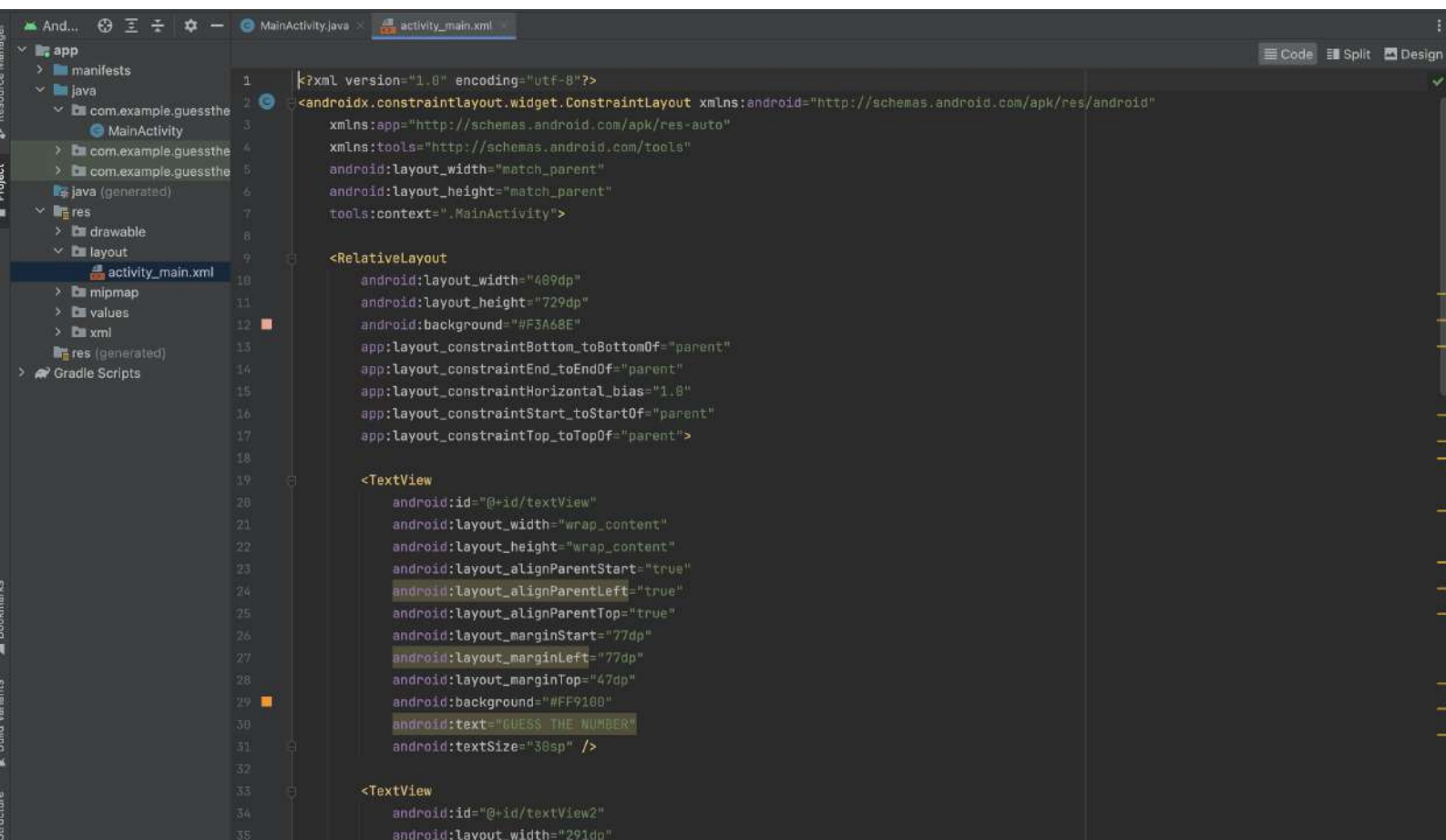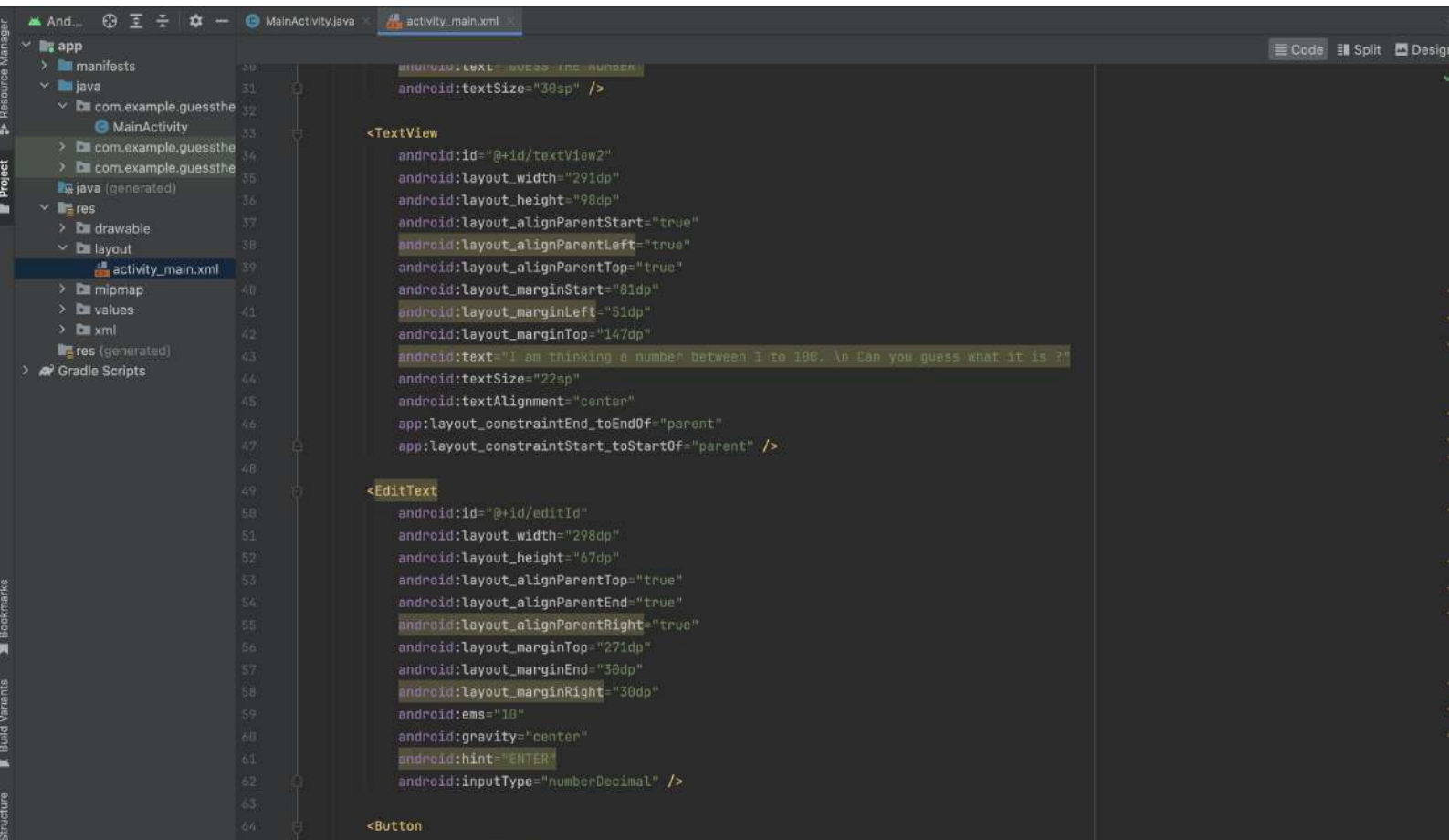
```java
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    int min = 1;
    int max = 100;
    result = getRandomNumber(min, max);
}
}
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout 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">

    <RelativeLayout
        android:layout_width="409dp"
        android:layout_height="729dp"
        android:background="#F3A68E"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentStart="true"
            android:layout_alignParentLeft="true"
            android:layout_alignParentTop="true"
            android:layout_marginStart="77dp"
            android:layout_marginLeft="77dp"
            android:layout_marginTop="47dp"
            android:background="#FF9100"
            android:text="GUESS THE NUMBER"
            android:textSize="30sp" />

        <TextView
            android:id="@+id/textView2"
            android:layout_width="291dp"
```

```
                                                      android:text= GUESS THE NUMBER
 31                     android:textSize="30sp" />
 32
 33         <TextView
 34             android:id="@+id/textView2"
 35             android:layout_width="291dp"
 36             android:layout_height="98dp"
 37             android:layout_alignParentStart="true"
 38             android:layout_alignParentLeft="true"
 39             android:layout_alignParentTop="true"
 40             android:layout_marginStart="81dp"
 41             android:layout_marginLeft="51dp"
 42             android:layout_marginTop="147dp"
 43             android:text="I am thinking a number between 1 to 100. \n Can you guess what it is ?"
 44             android:textSize="22sp"
 45             android:textAlignment="center"
 46             app:layout_constraintEnd_toEndOf="parent"
 47             app:layout_constraintStart_toStartOf="parent" />
 48
 49         <EditText
 50             android:id="@+id/editId"
 51             android:layout_width="298dp"
 52             android:layout_height="67dp"
 53             android:layout_alignParentTop="true"
 54             android:layout_alignParentEnd="true"
 55             android:layout_alignParentRight="true"
 56             android:layout_marginTop="271dp"
 57             android:layout_marginEnd="30dp"
 58             android:layout_marginRight="30dp"
 59             android:ems="10"
 60             android:gravity="center"
 61             android:hint="ENTER"
 62             android:inputType="numberDecimal" />
 63
 64         <Button
```

```xml
                android:inputType="numberDecimal" />

        <Button
            android:id="@+id/button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentEnd="true"
            android:layout_alignParentRight="true"
            android:layout_alignParentBottom="true"
            android:layout_marginEnd="152dp"
            android:layout_marginRight="152dp"
            android:layout_marginBottom="266dp"
            android:onClick="clickFunction"
            android:text="GUESS"
            android:textSize="30sp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent" />

    </RelativeLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

GUESS THE NUMBER

I am thinking a number
between 1 to 100.
Can you guess what it is ?

ENTER

GUESS