Main Activity.xml code

*<?***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"**>  
  
 <**TextView  
 android:id="@+id/helperMessage"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="26dp"  
 android:text="@string/enter\_the\_name"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.217"** />  
  
 <**EditText  
 android:id="@+id/nameInput"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="30dp"  
 android:ems="10"  
 android:hint="@string/input\_hint\_text"  
 android:textAlignment="center"  
 android:gravity="center\_horizontal"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/helperMessage"** />  
  
 <**Button  
 android:id="@+id/createBirthdayButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="60dp"  
 android:text="@string/create\_the\_birtday\_card"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 android:textAllCaps="false"  
 android:padding="30dp"  
 android:onClick="createBirthdayCard"  
 app:layout\_constraintTop\_toBottomOf="@+id/nameInput"** />

Activity Birthday Greeting.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:id="@+id/birthdayGreetings"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".BirthdayGreetingActivity"**>  
 <**ImageView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:src="@drawable/cake"  
 android:scaleType="centerCrop"**/>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Happy Birthday "  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.10"  
 android:textSize="48sp"  
 android:fontFamily="cursive"  
 android:textColor="@color/colorPrimary"  
 android:textStyle="bold"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

BirthdayGreeting Activity.kt

**package** com.example.hbg  
  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** kotlinx.android.synthetic.main.activity\_birthday\_greeting.\*  
**import** kotlinx.android.synthetic.main.activity\_main.\*  
  
**class** BirthdayGreetingActivity : AppCompatActivity() {  
 **companion object**{  
 **const val NAME\_EXTRA**=**"name\_extra"** }  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_birthday\_greeting*)  
 **val** name =*intent*.getStringExtra(**NAME\_EXTRA**)  
  
  
 }  
}

MainActivity.kt

**package** com.example.hbg  
  
**import** android.content.Intent  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.view.View  
**import** android.widget.Button  
**import** android.widget.Toast  
**import** kotlinx.android.synthetic.main.activity\_birthday\_greeting.\*  
**import** kotlinx.android.synthetic.main.activity\_main.\*  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 }  
  
 **fun** createBirthdayCard(view: View) {  
 **val** name=nameInput.*editableText*.toString()  
 **val** intent= Intent(**this**,BirthdayGreetingActivity::**class**.*java*)  
 intent.putExtra(BirthdayGreetingActivity.**NAME\_EXTRA**,name)  
  
 startActivity(intent)  
 }  
}