**AIM:**

**Create an application in which user pass the data with intent object to another activity.**

**PROGRAM CODE:**

**Android\_Manifest.xml:**

*<?*xml version="1.0" encoding="utf-8"*?>*<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.sgp.externalexam">  
  
 <application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.ExternalExam">  
 <activity  
 android:name=".SecondAcitivity"  
 android:exported="true" />  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

**Activity\_main.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">  
  
 <TextView  
 android:id="@+id/displayText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="#FFEB3B"  
 android:text="@string/\_19dcs098\_parth\_patel"  
 android:textColor="#C62828"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.2" />  
  
 <EditText  
 android:id="@+id/textName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="92dp"  
 android:ems="10"  
 android:fontFamily="@font/adamina"  
 android:hint="@string/enter\_the\_name"  
  
 android:importantForAutofill="no"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textAlignment="center"  
 android:textSize="16sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/displayText"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toStartOf="@+id/displayText"  
 app:layout\_constraintTop\_toBottomOf="@+id/displayText" />  
  
 <EditText  
 android:id="@+id/textMessage"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="136dp"  
 android:ems="10"  
 android:fontFamily="@font/adamina"  
 android:hint="@string/enter\_the\_message"  
   
 android:importantForAutofill="no"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textAlignment="center"  
 app:layout\_constraintEnd\_toEndOf="@+id/textName"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toStartOf="@+id/textName"  
 app:layout\_constraintTop\_toBottomOf="@+id/textName"  
 />  
  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="@string/new\_activity"  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="@+id/textMessage"  
 app:layout\_constraintStart\_toStartOf="@+id/textMessage"  
 app:layout\_constraintTop\_toBottomOf="@+id/textMessage" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_second.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=".SecondAcitivity">  
  
 <TextView  
 android:id="@+id/displayName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="256dp"  
 android:fontFamily="casual"  
 android:textColor="#F44336"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/displayMessage"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="casual"  
 android:textColor="#F44336"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/displayName" />  
  
 <TextView  
 android:id="@+id/displayId"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/\_19dcs098\_parth\_patel"  
 android:textColor="#C62828"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/displayName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Strings.xml:**

<resources>  
 <string name="app\_name">ExternalExam</string>  
 <string name="\_19dcs098\_parth\_patel">19DCS098-PARTH PATEL</string>  
 <string name="enter\_the\_name">ENTER THE NAME</string>  
 <string name="enter\_the\_message">ENTER THE MESSAGE</string>  
 <string name="new\_activity">NEW ACTIVITY</string>  
</resources>

**MainActivity.java:**

package com.sgp.externalexam;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
  
public class MainActivity extends AppCompatActivity {  
  
 private EditText name,message;  
 private Button button;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 name=findViewById(R.id.*textName*);  
 message=findViewById(R.id.*textMessage*);  
 button=findViewById(R.id.*btn*);  
  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
  
 String nameIntent=name.getText().toString();  
 String messageIntent=message.getText().toString();  
  
 Intent intent=new Intent(getApplicationContext(),SecondAcitivity.class);  
 intent.putExtra("name",nameIntent);  
 intent.putExtra("message",messageIntent);  
  
 startActivity(intent);  
 }  
 });  
 }  
}

**SecondAcitvity.java:**

package com.sgp.externalexam;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class SecondAcitivity extends AppCompatActivity {  
  
 private TextView displayName,displayMessage;  
  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second\_acitivity*);  
  
 displayName=findViewById(R.id.*displayName*);  
 displayMessage=findViewById(R.id.*displayMessage*);  
  
 Toast.*makeText*(getApplicationContext(), "NEW ACTIVITY STARTED!!", Toast.*LENGTH\_SHORT*).show();  
  
 Intent intent=getIntent();  
 String name=intent.getStringExtra("name");  
 String message=intent.getStringExtra("message");  
  
 displayName.setText(name);  
 displayMessage.setText(message);  
 }  
}

**SCREENSHOTS:**





