

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 SecondAcitvity extends AppCompatActivity {

    private TextView displayName,displayMessage;

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

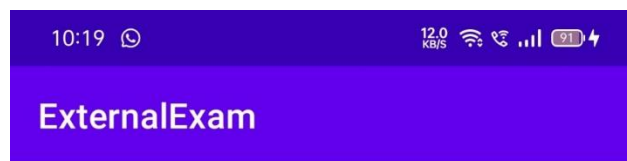
        displayName=findViewById(R.id.displayName);
        displayMessage=findViewById(R.id.displayMessage);

        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:



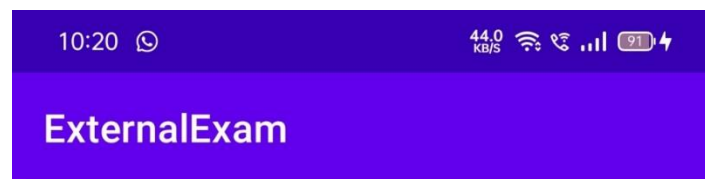
19DCS098-PARTH PATEL

ENTER THE NAME

ENTER THE MESSAGE

NEW ACTIVITY





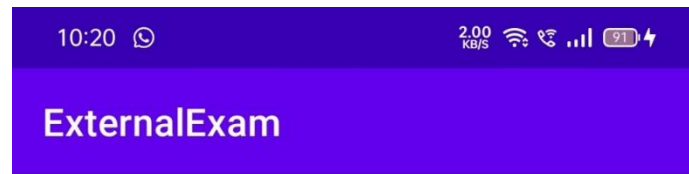
19DCS098-PARTH PATEL

PARTH PATEL

HELLO WORLD!!

NEW ACTIVITY





19DCS098-PARTH PATEL

PARTH PATEL

HELLO WORLD!!

NEW ACTIVITY STARTED!!

