

PRACTICAL-8.2

AIM:

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

PROGRAM CODE:

- **AndroidManifest.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.parthnpatel.intentactivity">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.IntentActivity">
        <activity android:name=".SecondActivity"></activity>
        <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>
```

```
</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/display"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/parth_patel_19dcs098"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintHorizontal_bias="0.473"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.113" />
```

```
<EditText
    android:id="@+id/enteredText"
    android:layout_width="243dp"
    android:layout_height="53dp"
    android:layout_marginTop="72dp"
        android:ems="10"
    android:hint="@string/enter_text"
```

```
android:importantForAutofill="no"
android:inputType="textPersonName"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.497"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/display"
tools:ignore="SpeakableTextPresentCheck,TextContrastCheck" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="148dp"
android:backgroundTint="#009688"
android:text="@string/submit"
android:textColor="#000000"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.498"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/enteredText"
app:layout_constraintVertical_bias="0.0"
tools:ignore="TextContrastCheck" />
```

</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"
    android:background="#FFEB3B">

    <TextView
        android:id="@+id/displayText"
        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_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

- **Strings.xml:**

```
<resources>
```

```
    <string name="app_name">IntentActivity</string>
```

```
    <string name="parth_patel_19dcs098">PARTH PATEL-19DCS098</string>
```

```
    <string name="enter_text">Enter Text</string>
```

```
        <string name="submit">SUBMIT</string>
```

```
</resources>
```

- **MainActivity.java:**

```
package com.parthnpatel.intentactivity;

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 text;
    private Button button;

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

        text=findViewById(R.id.enteredText);
        button=findViewById(R.id.button);

        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                String str=text.getText().toString();
```

```
        Intent intent=new Intent(getApplicationContext(),SecondActivity.class);

        intent.putExtra("Display_Message",str);

        startActivity(intent);
    }
});

}

}
```


- **SecondActivity.java:**

```
package com.parthnpatel.intentactivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class SecondActivity extends AppCompatActivity {

    private TextView displayText;

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

        Toast.makeText(getApplicationContext(), "NEW ACTIVITY STARTED!!",
        Toast.LENGTH_SHORT).show();

        Toast.makeText(getApplicationContext(), "THE MESSAGE IS DISPLAYED!!",
        Toast.LENGTH_SHORT).show();

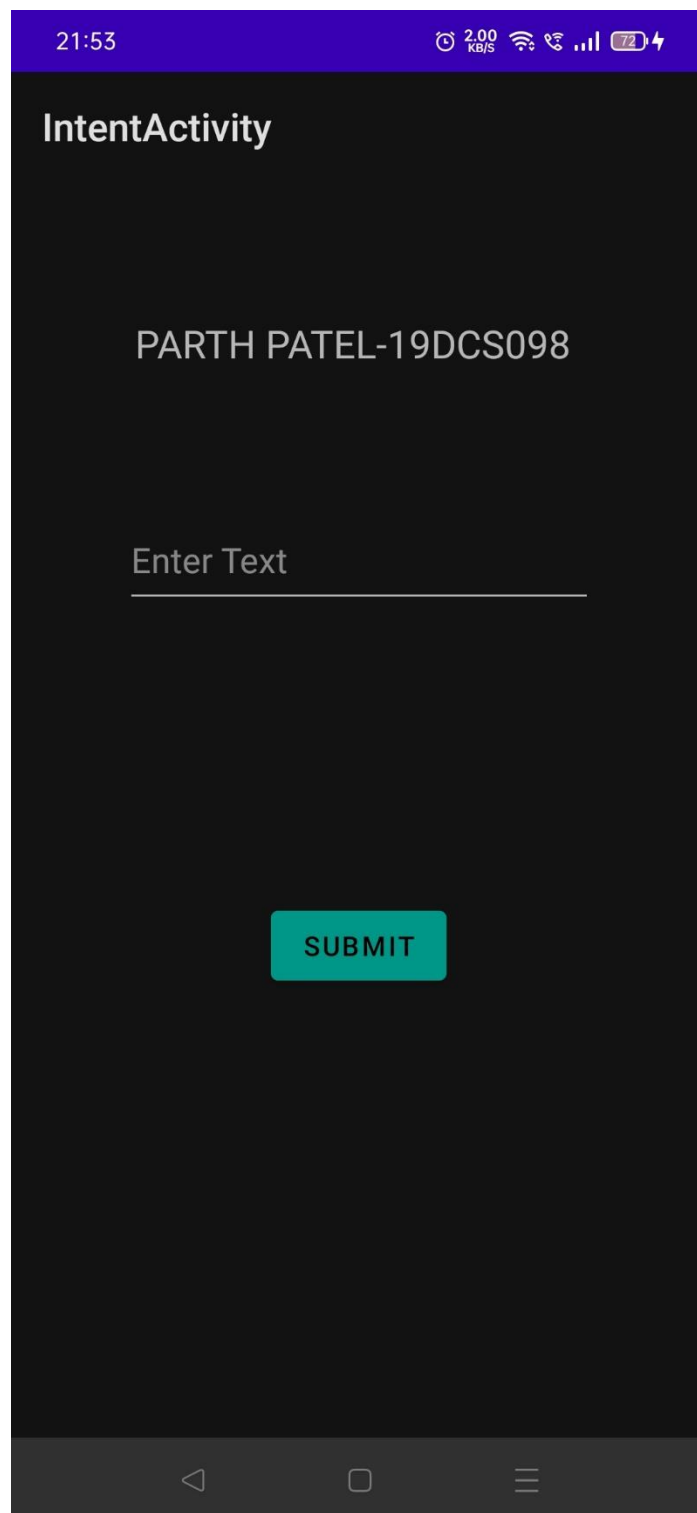
        Intent intent=getIntent();

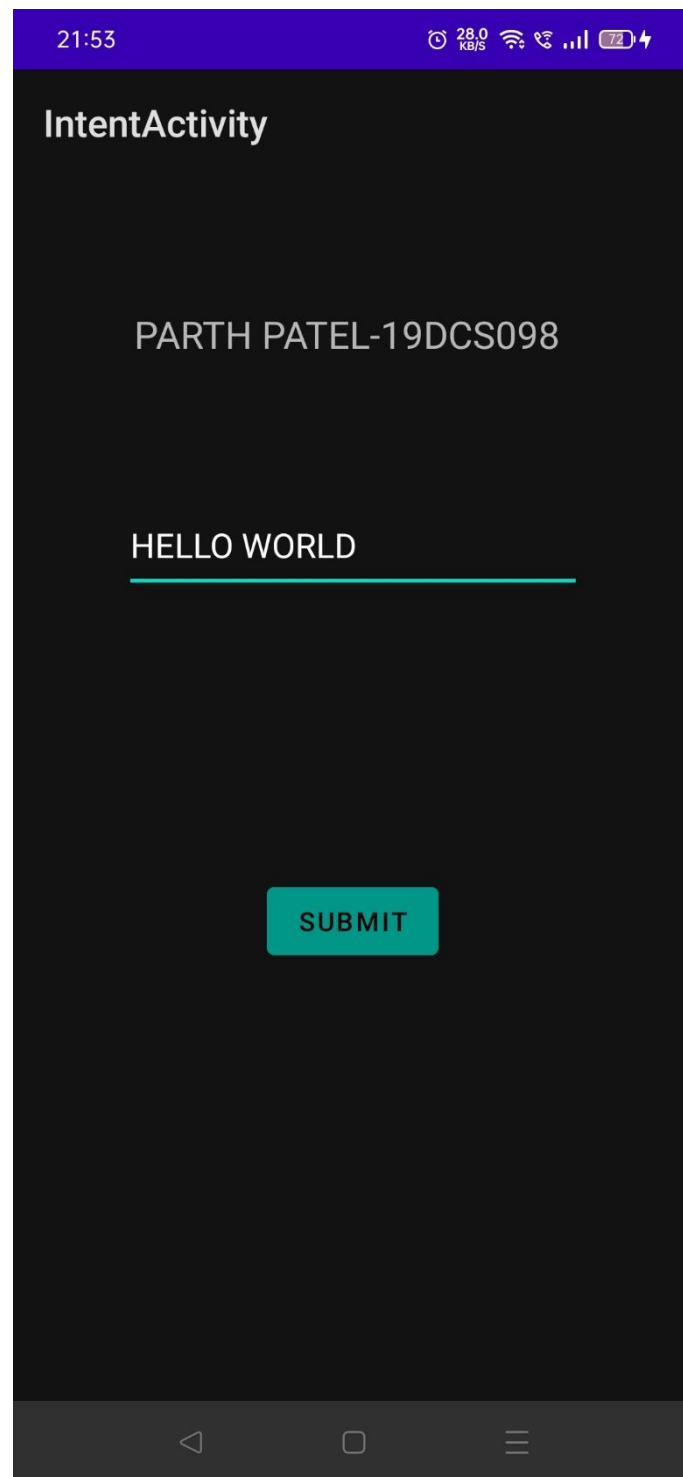
        String displayString=intent.getStringExtra("Display_Message");

        displayText=findViewById(R.id.displayText);
```

```
        displayText.setText(displayString);  
    }  
}
```

OUTPUT:







TEXT ENTERED IN THE FIRST ACTIVITY IS TRANSFERRED TO SECOND ACTIVITY VIA INTENT WHERE THE TEXT IS DISPLAYED.

