Slip 16

**Q1. Create android application send hello messege using intent**

**1st activity.xml**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

    xmlns:tools="<http://schemas.android.com/tools>"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".MainActivity">

    <Button

        android:id="@+id/button\_send"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="Send Hello"

        android:layout\_centerInParent="true"/>

</RelativeLayout>

**//1st activity,Java**

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        Button sendButton = findViewById(R.id.button\_send);

        sendButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                sendMessage();

            }

        });

    }

    private void sendMessage() {

        Intent intent = new Intent(this, DisplayMessageActivity.class);

        intent.putExtra("message", "Hello");

        startActivity(intent);

    }

}

**//2nd activity.xml**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

    xmlns:tools="<http://schemas.android.com/tools>"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".DisplayMessageActivity">

    <TextView

        android:id="@+id/text\_display\_message"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:textSize="24sp"

        android:layout\_centerInParent="true"/>

</RelativeLayout>

**//2nd activity.java**

import android.content.Intent;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class DisplayMessageActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_display\_message);

        Intent intent = getIntent();

        String message = intent.getStringExtra("message");

        TextView textView = findViewById(R.id.text\_display\_message);

        textView.setText(message);

    }

}

**Q2.create activity application with two activity user enter player name**

**1activity.xml**

activity\_main.xml (for the main activity layout)<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

    xmlns:tools="<http://schemas.android.com/tools>"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".MainActivity">

    <EditText

        android:id="@+id/editTextPlayerName"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:hint="Enter player name"

        android:layout\_margin="16dp"/>

    <Button

        android:id="@+id/buttonSubmit"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="Submit"

        android:layout\_below="@id/editTextPlayerName"

        android:layout\_centerHorizontal="true"

        android:layout\_marginTop="16dp"/>

</RelativeLayout>

**Java**

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        final EditText editTextPlayerName = findViewById(R.id.editTextPlayerName);

        Button buttonSubmit = findViewById(R.id.buttonSubmit);

        buttonSubmit.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                String playerName = editTextPlayerName.getText().toString();

                Intent intent = new Intent(MainActivity.this, DisplayNameActivity.class);

                intent.putExtra("playerName", playerName);

                startActivity(intent);

            }

        });

    }

}

**2nd activity**

  <?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

    xmlns:tools="<http://schemas.android.com/tools>"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".DisplayNameActivity">

    <TextView

        android:id="@+id/textViewPlayerName"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:textSize="24sp"

        android:layout\_centerInParent="true"/>

    <Button

        android:id="@+id/buttonBack"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="Back"

        android:layout\_below="@id/textViewPlayerName"

        android:layout\_centerHorizontal="true"

        android:layout\_marginTop="16dp"/>

</RelativeLayout>

2java

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class DisplayNameActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_display\_name);

        TextView textViewPlayerName = findViewById(R.id.textViewPlayerName);

        Button buttonBack = findViewById(R.id.buttonBack);

        Intent intent = getIntent();

        String playerName = intent.getStringExtra("playerName");

        textViewPlayerName.setText(playerName);

        buttonBack.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                finish();

            }

        });

    }

}