

Q1] Create a Simple Android Application Which Send —Hello message from one activity to another with help of Button (Use Intent).

MainActivity.java:

```
package com.example.hellomessage;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    Button sendButton;

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

        sendButton = findViewById(R.id.send_button);

        sendButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                sendMessage();
            }
        });
    }
}
```

```

        }
    });
}

private void sendMessage() {
    Intent intent = new Intent(this, SecondActivity.class);
    intent.putExtra("message", "Hello");
    startActivity(intent);
}
}

```

SecondActivity.java:

```

package com.example.hellomessage;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

public class SecondActivity extends AppCompatActivity {

    TextView messageTextView;

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

```

```
messageTextView = findViewById(R.id.message_text_view);

// Retrieve the message from the intent
Bundle extras = getIntent().getExtras();
if (extras != null) {
    String message = extras.getString("message");
    messageTextView.setText(message);
}
}
```

activity_main.xml (layout for MainActivity):

```
<?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/send_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Send Hello Message"
        android:layout_centerInParent="true"/>

</RelativeLayout>
```

activity_second.xml (layout for SecondActivity):

```
<?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=".SecondActivity">

    <TextView
        android:id="@+id/message_text_view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="24sp"
        android:layout_centerInParent="true"/>

</RelativeLayout>
```