Q1. Create android application send hello messege using intent

1ˢᵗ activity.xml

```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

```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() {
```

```java
        Intent intent = new Intent(this, DisplayMessageActivity.class);
        intent.putExtra("message", "Hello");
        startActivity(intent);
    }
}
```

//2nd activity.xml

```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

```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

```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
<?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"
```

```xml
        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

```java
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();
            }
        });
```

```
        }
}
```