Practical Related Question

1. List different methods used in Intent

Methods	Description
Context.startActivity()	This is to launch a new activity or get an existing activity to be action.
Context.startService()	This is to start a new service or deliver instructions for an existence service.
Context.sendBroadcast()	This is to deliver the message to broadcast receivers.

2. Write an intent to display the phone dialer with the given number filled in.

```
Intent intent = new Intent(Intent.ACTION_DIAL);
intent.setData(Uri.parse("tel:0123456789"));
startActivity(intent);
```

Exercise

Xml:

MainActivity:

```
android:orientation="vertical
<LinearLayout
    <EditText
   android:layout width="match parent"
```

```
android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/fact_no"
    android:minWidth="200dp"
    android:layout_marginRight="10dp"
    android:hint="Enter Number"
    />
    <Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Factorial"
    android:id="@+id/factorial"
    />
    </LinearLayout></LinearLayout>
```

Activity2:

```
<?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=".Activity2">

    </textView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="175dp"
        android:layout_marginStart="175dp"
        android:layout_marginEnd="178dp"
        android:layout_marginEnd="178dp"
        android:layout_constraintBottom="360dp"
        app:layout_constraintBottom="50dot="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopof="parent" />
    </androidx.constraintlayout.widget.ConstraintLayout>
```

Java:

MainActivity.java:

```
Import androidx.appcompat.app.AppCompatActivity;
   protected void onCreate(Bundle savedInstanceState) {
       website text=(EditText) findViewById(R.id.website text);
       nav button=(Button) findViewById(R.id.nav button);
           public void onClick(View v) {
               String website= String.valueOf(website text.getText());
               viewSearch.putExtra(SearchManager.QUERY, website);
       open dialer.setOnClickListener(new View.OnClickListener() {
               Intent fact=new Intent(MainActivity.this, Activity2.class);
               startActivity(fact);
```

Activity2.java

```
package com.example.practical18;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class Activity2 extends AppCompatActivity {
    TextView fact_result;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_2);
        fact_result=(TextView) findViewById(R.id.fact_result);
        int number = Integer.parseInt(getIntent().getStringExtra("number"));
        int i,fact=1;

        for(i=1;i<=number;i++) {
            fact_fact*i;
        }
        fact_result.setText(Integer.toString(fact));
}
</pre>
```