# **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="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>
```

#### Activity2:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".Activity2">

    </revtView
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="175dp"
        android:layout_marginTop="352dp"
        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>
```