

**[ 2CEIT5PE18: MOBILE APPLICATION DEVELOPMENT ]**

# Practical: 3

**AIM-Create an android application which  
demonstrates implicit & explicit Intent.**

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## Practical-3

**Intent, types of Intent, types of Intent Action, Intent.setData() method, Intent.setType() method, Button, ConstraintLayout, CoordinatorLayout, startActivityForResult() method, ActivityResultContracts. Permission in manifest, ContextCompat.checkSelfPermission(), ActivityCompat.requestPermissions() method, Uri.parse() method,**

### **Activity\_main.xml:**

```
<?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"
    android:id="@+id/main"
    tools:context=".MainActivity">
    <androidx.constraintlayout.widget.Guideline
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/guideline"
        android:orientation="vertical"
        app:layout_constraintGuide_begin="100dp" />

    <!-- Web Url -->
    <TextView
        android:id="@+id/textViewUrl"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="18dp"
        android:text="Web Url:"
        android:textSize="18sp"

        app:layout_constraintBaseline_toBaselineOf="@+id/editTextUrl"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/editTextUrl"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:layout_marginStart="8dp"
```

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```
        android:hint="https://www.google.com"
        android:inputType="textUri"
        app:layout_constraintStart_toEndOf="@+id/guideline"
        app:layout_constraintEnd_toStartOf="@+id/buttonLoad"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/buttonLoad"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:layout_marginEnd="18dp"
        android:text="Browse"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <!-- Phone Number -->
    <TextView
        android:id="@+id/textViewPhone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="18dp"
        android:text="Phone No.:"
        android:textSize="18sp"

        app:layout_constraintBaseline_toBaselineOf="@+id/editTextPhone"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/editTextPhone"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:layout_marginStart="8dp"
        android:hint="9999999999"
        android:inputType="phone"
        app:layout_constraintStart_toEndOf="@+id/guideline"
        app:layout_constraintEnd_toStartOf="@+id/buttonCall"
        app:layout_constraintTop_toBottomOf="@+id/editTextUrl" />

    <Button
```

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```
        android:id="@+id/buttonCall"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="18dp"
        android:text="Call"
        app:layout_constraintTop_toTopOf="@+id/editTextPhone"
        app:layout_constraintEnd_toEndOf="parent" />

    <!-- Call Log -->
    <TextView
        android:id="@+id/textViewCallLog"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="18dp"
        android:layout_marginTop="24dp"
        android:text="Call Log:"
        android:textSize="18sp"
        app:layout_constraintTop_toBottomOf="@+id/editTextPhone"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/buttonCallLog"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="18dp"
        android:text="Call Log"
        app:layout_constraintTop_toTopOf="@+id/textViewCallLog"
        app:layout_constraintEnd_toEndOf="parent" />

    <!-- Gallery -->
    <TextView
        android:id="@+id/textViewGallery"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="18dp"
        android:layout_marginTop="24dp"
        android:text="Gallery:"
        android:textSize="18sp"
        app:layout_constraintTop_toBottomOf="@+id/textViewCallLog"
        app:layout_constraintStart_toStartOf="parent" />
```

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```
<Button
    android:id="@+id/buttonGallery"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="18dp"
    android:text="Gallery"
    app:layout_constraintTop_toTopOf="@+id/textViewGallery"
    app:layout_constraintEnd_toEndOf="parent" />

<!-- Camera -->
<TextView
    android:id="@+id/textViewCamera"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="18dp"
    android:layout_marginTop="24dp"
    android:text="Camera:"
    android:textSize="18sp"
    app:layout_constraintTop_toBottomOf="@+id/textViewGallery"
    app:layout_constraintStart_toStartOf="parent" />

<Button
    android:id="@+id/buttonCamera"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="18dp"
    android:text="Camera"
    app:layout_constraintTop_toTopOf="@+id/textViewCamera"
    app:layout_constraintEnd_toEndOf="parent" />

<!-- Alarm -->
<TextView
    android:id="@+id/textViewAlarm"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="18dp"
    android:layout_marginTop="24dp"
    android:text="Alarm:"
    android:textSize="18sp"
    app:layout_constraintTop_toBottomOf="@+id/textViewCamera"
    app:layout_constraintStart_toStartOf="parent" />
```

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```
<Button
    android:id="@+id/buttonAlarm"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="18dp"
    android:text="Alarm"
    app:layout_constraintTop_toTopOf="@+id/textViewAlarm"
    app:layout_constraintEnd_toEndOf="parent" />

<!-- Login -->
<TextView
    android:id="@+id/textViewLogin"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="18dp"
    android:layout_marginTop="24dp"
    android:text="Login:"
    android:textSize="18sp"
    app:layout_constraintTop_toBottomOf="@+id/textViewAlarm"
    app:layout_constraintStart_toStartOf="parent" />

<Button
    android:id="@+id/buttonLogin"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="18dp"
    android:text="Login"
    app:layout_constraintTop_toTopOf="@+id/textViewLogin"
    app:layout_constraintEnd_toEndOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

activity_login.xml
<?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:id="@+id/login"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
```

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```
tools:context=".MainActivity">

    <!-- App Title -->
    <ImageView
        android:id="@+id/tvLogo"
        android:layout_width="wrap_content"
        android:layout_height="150dp"
        android:layout_marginTop="40dp"
        android:src="@drawable/guni_pink_logo"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <!-- Card Background -->
    <androidx.cardview.widget.CardView
        android:id="@+id/cardLogin"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="32dp"
        android:layout_marginEnd="24dp"
        app:cardBackgroundColor="#EDE4F3"
        app:cardCornerRadius="16dp"
        app:elevation="8dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tvLogo">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="24dp">

            <!-- Email -->
            <TextView
                android:id="@+id/tvEmail"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Email Id"
                android:textColor="#000000"
                android:textSize="16sp"
```

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```
app:layout_constraintBaseline_toBaselineOf="@+id/etEmail"
    app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/etEmail"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:backgroundTint="#000000"
        android:inputType="textEmailAddress"
        android:textColor="#000000"
        android:textColorHint="#AAAAAA"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/tvEmail"
        app:layout_constraintTop_toTopOf="parent" />

    <!-- Password -->
    <TextView
        android:id="@+id/tvPassword"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password"
        android:textColor="#000000"
        android:textSize="16sp"

app:layout_constraintBaseline_toBaselineOf="@+id/etPassword"
    app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/etPassword"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:backgroundTint="#000000"
        android:inputType="textPassword"
        android:textColor="#000000"
        android:textColorHint="#AAAAAA"
        app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintStart_toEndOf="@+id/tvPassword"
    app:layout_constraintTop_toBottomOf="@+id/etEmail"
/>
```

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```
<TextView
    android:id="@+id/tvForgotPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="18dp"
    android:text="Forgot Password?"
    android:textColor="#000000"
    android:textSize="14sp"
    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/etPassword" />

    <Button
        android:id="@+id/btnLogin"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="18dp"
        android:text="Login"
        android:textColor="#FFFFFF"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toBottomOf="@+id/tvForgotPassword" />

    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>
<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/constraintLayout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="25dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/cardLogin">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

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```
        android:text="Don't have an account?"  
        android:textColor="#000000"  
        android:textSize="14sp"  
        app:layout_constraintEnd_toStartOf="@+id/tvLogin"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent" />  
  
<TextView  
    android:id="@+id/tvLogin"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="SIGN UP"  
    android:paddingLeft="10sp"  
    android:textColor="#E91E63"  
    android:textSize="14sp"  
    android:textStyle="bold"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

### activity\_register.xml

```
<?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"  
    android:background="#FAF6FC"  
    tools:context=".RegisterActivity">  
  
<ImageView  
    android:id="@+id/tvTitle"  
    android:layout_width="match_parent"  
    android:layout_height="150dp"  
    android:layout_marginTop="40dp"  
    android:src="@drawable/guni_pink_logo"
```

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```
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<androidx.cardview.widget.CardView
    android:id="@+id/cardRegister"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="32dp"
    android:layout_marginEnd="24dp"
    android:layout_marginBottom="16dp"
    app:cardBackgroundColor="#EDE4F3"
    app:cardCornerRadius="15dp"
    app:cardElevation="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tvTitle">

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="24dp">

    <TextView
        android:id="@+id/label_FullName"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:text="User Full Name"
        android:textColor="#000000"
        android:textSize="18sp"

        app:layout_constraintEnd_toStartOf="@+id/edit_full_name"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/edit_full_name"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
```

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```
        android:ems="10"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_FullName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_FullName" />

    <TextView
        android:id="@+id/label_phone"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="@dimen/reg_top_margin"
        android:text="Phone Number"
        android:textColor="#000000"
        android:textSize="18sp"

    app:layout_constraintEnd_toStartOf="@+id/edit_phone"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/label_FullName" />

    <EditText
        android:id="@+id/edit_phone"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="phone"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_phone"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_phone" />

    <TextView
        android:id="@+id/label_city"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
```

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```
        android:layout_marginTop="@dimen/reg_top_margin"
        android:text="City"
        android:textColor="#000000"
        android:textSize="18sp"
        app:layout_constraintEnd_toStartOf="@+id/edit_email"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/label_email" />

    <EditText
        android:id="@+id/edit_email"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_email"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_email" />

    <TextView
        android:id="@+id/label_email"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="@dimen/reg_top_margin"
        android:text="Email"
        android:textColor="#000000"
        android:textSize="18sp"

    app:layout_constraintEnd_toStartOf="@+id/edit_email"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/label_email" />

    <EditText
        android:id="@+id/edit_email"
        android:layout_width="0dp"
```

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---

```
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textEmailAddress"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_email"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_email" />

    <TextView
        android:id="@+id/label_password"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="@dimen/reg_top_margin"
        android:text="Password"
        android:textColor="#000000"
        android:textSize="18sp"

    app:layout_constraintEnd_toStartOf="@+id/edit_password"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/label_email" />

    <EditText
        android:id="@+id/edit_password"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPassword"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_password"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_password" />

    <TextView
        android:id="@+id/label_confirm_password"
        android:layout_width="0dp"
```

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---

```
        android:layout_height="wrap_content"
        android:layout_marginTop="@dimen/reg_top_margin"
        android:text="Confirm Password"
        android:textColor="#000000"
        android:textSize="18sp"

    app:layout_constraintEnd_toStartOf="@+id/edit_confirm_password"
        app:layout_constraintHorizontal_weight="1"
        app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/edit_password" />

    <EditText
        android:id="@+id/edit_confirm_password"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPassword"

    app:layout_constraintBaseline_toBaselineOf="@+id/label_confirm_password"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_weight="1"

    app:layout_constraintStart_toEndOf="@+id/label_confirm_password" />

    <View
        android:id="@+id/spacer"
        android:layout_width="match_parent"
        android:layout_height="50dp"

    app:layout_constraintTop_toBottomOf="@+id/edit_confirm_password" />

    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/constraintLayout2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="-20dp"
```

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```
        android:elevation="25dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/cardRegister">

    <Button
        android:id="@+id/btnRegister"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:padding="8dp"
        android:text="Register"
        android:textColor="#FFFFFF"
        android:textSize="16sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/constraintLayout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/constraintLayout2">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Do you have an account?"
        android:textColor="#000000"
        android:textSize="14sp"
        app:layout_constraintEnd_toStartOf="@+id/btnLogin"

        app:layout_constraintHorizontal_chainStyle="spread_inside"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

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```
<Button  
    android:id="@+id	btnLogin"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:backgroundTint="@color/login_btn_bg"  
    android:paddingLeft="10dp"  
    android:text="@string/login"  
    android:textColor="@color/login_btn_text"  
  
    app:layout_constraintBaseline_toBaselineOf="@+id/textView"  
        app:layout_constraintStart_toEndOf="@+id/textView" />  
    </androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

### MainActivity.kt

```
package com.bytemap.mad_23012011026_practical3  
  
import android.content.Intent  
import android.net.Uri  
import android.os.Bundle  
import android.provider.AlarmClock  
import android.provider.MediaStore  
import android.widget.Button  
import android.widget.EditText  
import androidx.activity.enableEdgeToEdge  
import androidx.appcompat.app.AppCompatActivity  
import androidx.core.view.ViewCompat  
import androidx.core.view.WindowInsetsCompat  
  
class MainActivity : AppCompatActivity() {  
    override fun onCreate(savedInstanceState: Bundle?) {  
        super.onCreate(savedInstanceState)  
        enableEdgeToEdge()  
        setContentView(R.layout.activity_main)  
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->  
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())  
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)  
            insets  
        }  
        // Make call to specific number  
        findViewById<Button>(R.id.buttonCall).setOnClickListener {
```

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---

```
Intent(  
    Intent.ACTION_DIAL,  
    Uri.parse("tel:"+findViewById<EditText>(R.id.editTextPhone).text.toString())).also  
{startActivity(it)}  
}  
  
// Open specific URL  
findViewById<Button>(R.id.buttonLoad).setOnClickListener {  
    Intent(  
        Intent.ACTION_VIEW,  
        Uri.parse("https://"+findViewById<EditText>(R.id.editTextUrl).text.toString())).also  
{ startActivity(it) }  
}  
  
// Open Call Log  
findViewById<Button>(R.id.buttonCallLog).setOnClickListener {  
    Intent(  
        Intent.ACTION_VIEW,  
        Uri.parse("content://call_log/calls")).also { startActivity(it) }  
}  
  
// Open Gallery  
findViewById<Button>(R.id.buttonGallery).setOnClickListener {  
    Intent(  
        Intent.ACTION_VIEW,  
        Uri.parse("content://media/internal/images/media"))  
.also { startActivity(it) }  
}  
  
// Set Alarm  
findViewById<Button>(R.id.buttonAlarm).setOnClickListener {  
    val intent = Intent(AlarmClock.ACTION_SET_ALARM).apply {  
        putExtra(AlarmClock.EXTRA_HOUR, 9)  
        putExtra(AlarmClock.EXTRA_MINUTES, 0)  
        putExtra(AlarmClock.EXTRA_MESSAGE, "Wake up!")  
    }  
    startActivity(intent)  
}  
  
// Open Camera  
findViewById<Button>(R.id.buttonCamera).setOnClickListener {  
    var intent = Intent(MediaStore.ACTION_IMAGE_CAPTURE)  
    startActivity(intent)  
}  
  
// Open Login Activity  
findViewById<Button>(R.id.buttonLogin).setOnClickListener {
```

---

## Practical: 3

---

```
Intent(this, Login_activity::class.java).also { startActivity( it ) }  
}  
}  
}
```

### Output:

