**[ 2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]**

Practical: 5



**AIM- What is Intent? Write down types of Intent and types of Intent Action. Create an application which demonstrates implicit Intent for following features.**

**1. Make call to specific number 2. Open specific URL 3. Open Call Log 4. Open Gallery 5. Set Alarm 6. Open Camera**

Submitted By:

Mahavir\_21012011088



**Department of Computer Engineering/Information Technology**

**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"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Web Url : "

app:layout\_constraintBaseline\_toBaselineOf="@+id/editTextURL"

app:layout\_constraintEnd\_toStartOf="@+id/editTextURL"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Phone no.: "

app:layout\_constraintBaseline\_toBaselineOf="@+id/editTextText3"

app:layout\_constraintEnd\_toStartOf="@+id/editTextText3"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<TextView

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Call Log :"

app:layout\_constraintBaseline\_toBaselineOf="@+id/button5"

app:layout\_constraintEnd\_toStartOf="@+id/button5"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<TextView

android:id="@+id/textView5"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Camera : "

app:layout\_constraintBaseline\_toBaselineOf="@+id/button8"

app:layout\_constraintEnd\_toStartOf="@+id/button8"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<TextView

android:id="@+id/textView4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gallery : "

app:layout\_constraintBaseline\_toBaselineOf="@+id/button7"

app:layout\_constraintEnd\_toStartOf="@+id/button7"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<TextView

android:id="@+id/textView6"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Alarm : "

app:layout\_constraintBaseline\_toBaselineOf="@+id/button9"

app:layout\_constraintEnd\_toStartOf="@+id/button9"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toStartOf="parent" />

<EditText

android:id="@+id/editTextURL"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="108dp"

android:ems="10"

android:inputType="text"

app:layout\_constraintEnd\_toStartOf="@+id/button\_browse"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView"

app:layout\_constraintTop\_toTopOf="parent" />

<Button

android:id="@+id/button\_browse"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Browse"

app:layout\_constraintBaseline\_toBaselineOf="@+id/editTextURL"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/editTextURL" />

<EditText

android:id="@+id/editTextText3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:ems="10"

android:inputType="text"

app:layout\_constraintEnd\_toStartOf="@+id/buttoncall"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView2"

app:layout\_constraintTop\_toBottomOf="@+id/editTextURL" />

<Button

android:id="@+id/buttoncall"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Call"

app:layout\_constraintBaseline\_toBaselineOf="@+id/editTextText3"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/editTextText3" />

<Button

android:id="@+id/button5"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="225dp"

android:layout\_marginTop="20dp"

android:text="Call Log"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView3"

app:layout\_constraintTop\_toBottomOf="@+id/buttoncall" />

<Button

android:id="@+id/button7"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="225dp"

android:layout\_marginTop="20dp"

android:text="Gallery"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView4"

app:layout\_constraintTop\_toBottomOf="@+id/button5" />

<Button

android:id="@+id/button8"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="225dp"

android:layout\_marginTop="20dp"

android:text="Camera"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView5"

app:layout\_constraintTop\_toBottomOf="@+id/button7" />

<Button

android:id="@+id/button9"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="225dp"

android:layout\_marginTop="20dp"

android:text="Alarm"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.5"

app:layout\_constraintStart\_toEndOf="@+id/textView6"

app:layout\_constraintTop\_toBottomOf="@+id/button8" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Mainactivity.xml:**

package com.mahavirpatel.mad\_practical\_5\_21012011088

import android.content.Intent

import android.net.Uri

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.provider.AlarmClock

import android.provider.CallLog

import android.provider.MediaStore

import android.widget.Button

import android.widget.EditText

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

//Browse Button

val browse: Button =findViewById(R.id.button\_browse)

val editbrowse:EditText=findViewById(R.id.editTextURL)

browse.setOnClickListener(){

Intent(Intent.ACTION\_VIEW, Uri.parse(editbrowse.text.toString())).also{startActivity(it)}}

val call: Button =findViewById(R.id.buttoncall)

val editcall:EditText=findViewById(R.id.editTextText3)

val tel="tel:+91"

call.setOnClickListener(){

Intent(Intent.ACTION\_DIAL, Uri.parse(tel+editcall.text.toString())).also{startActivity(it)}}

val Calllog:Button=findViewById(R.id.button5)

Calllog.setOnClickListener()

{ Intent(Intent.ACTION\_VIEW).setType(CallLog.Calls.CONTENT\_TYPE).also{startActivity(it)}}

val gallery:Button=findViewById(R.id.button7)

gallery.setOnClickListener()

{ Intent(Intent.ACTION\_VIEW).setType("image/\*").also{startActivity(it)}}

val camera:Button=findViewById(R.id.button8)

camera.setOnClickListener()

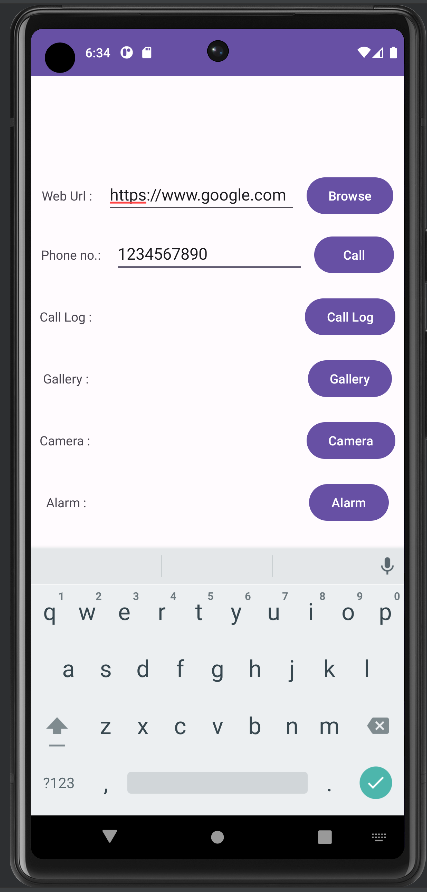
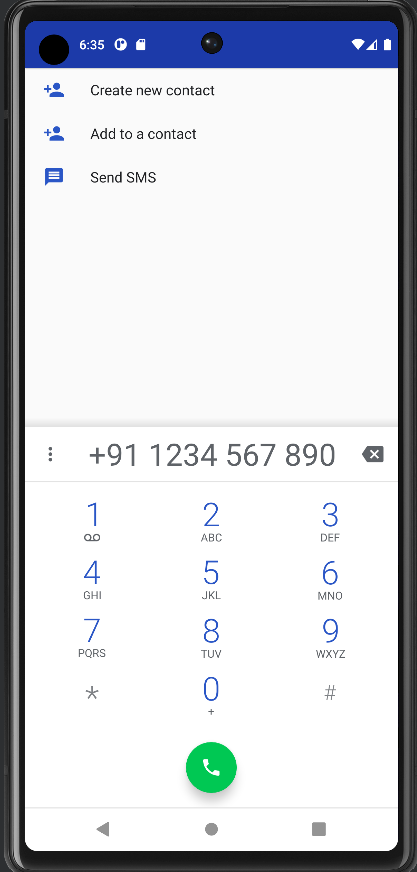
{Intent(MediaStore.ACTION\_IMAGE\_CAPTURE).also{startActivity(it)}}

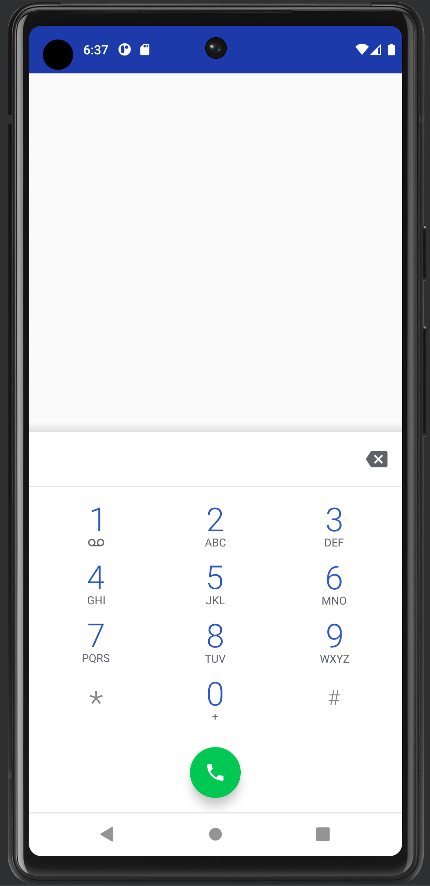
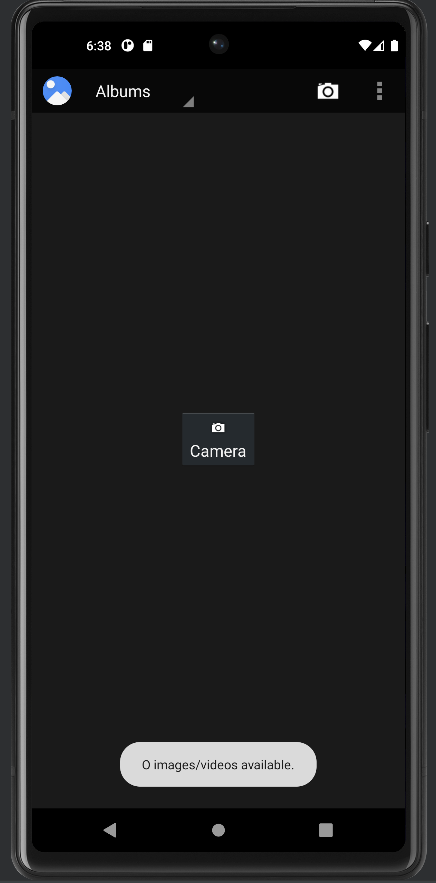
val alarm:Button=findViewById(R.id.button9)

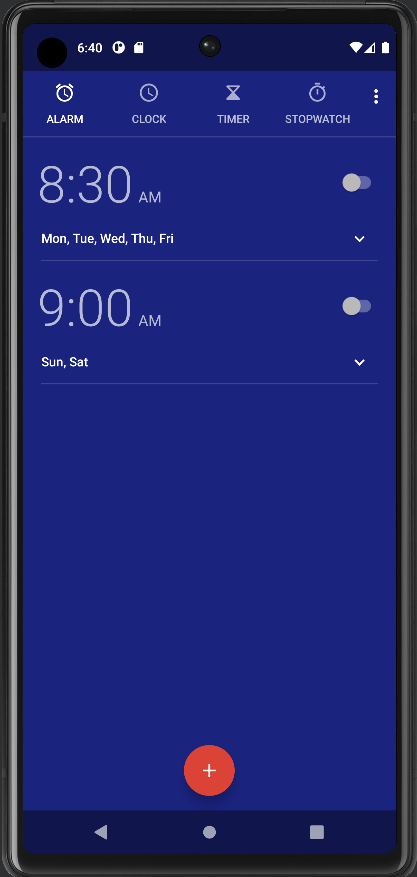
alarm.setOnClickListener()

{Intent(AlarmClock.ACTION\_SHOW\_ALARMS).also{startActivity(it)}}}}

**Output:**

**  **

** **

** **