COURSE OUTCOME:3

PROGRAM:2

AIM: Implement Intent to navigate between multiple activities

SOURCE CODE:

ACTIVITY\_1:

AndroidManifest.xml:  
<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.co3q3explicitintentstarting">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/Theme.CO3Q3ExplicitIntentStarting">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

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">

<Button

android:id="@+id/launch"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="LAUNCH"

android:onClick="onLaunchClicked"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

MainActitvity.java

package com.example.co3q3explicitintentstarting;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button launchbttn;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

launchbttn=(Button)findViewById(R.id.launch);

}

public void onLaunchClicked(View view)

{

Intent intent=new Intent(Intent.ACTION\_VIEW, Uri.parse("https://www.tkmce.ac.in"));

startActivity(intent);

}

}

ACTIVITY\_2:

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">

<WebView

android:id="@+id/webview"

android:layout\_width="311dp"

android:layout\_height="496dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.496"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.501" />

</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java:

package com.example.co3q3explicitintent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.webkit.WebView;

import android.webkit.WebViewClient;

import android.widget.Toast;

import java.net.URL;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Intent recievedIntent=getIntent();

Uri uri=recievedIntent.getData();

URL webPageUrl=null;

if(uri!=null)

{

try

{

webPageUrl=new URL(uri.getScheme(),uri.getHost(),uri.getPath());

}

catch(Exception e)

{

Toast.makeText(this,"Exception occured",Toast.LENGTH\_SHORT);

}

}

//lauching webview

WebView webView=(WebView)findViewById(R.id.webview);

webView.setWebViewClient(new WebViewClient());

webView.loadUrl(webPageUrl.toString());

}

}

AndroidManifest.xml:

package com.example.co3q3explicitintent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.webkit.WebView;

import android.webkit.WebViewClient;

import android.widget.Toast;

import java.net.URL;

public class MainActivity extends AppCompatActivity {

@Override

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super.onCreate(savedInstanceState);

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Intent recievedIntent=getIntent();

Uri uri=recievedIntent.getData();

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//lauching webview

WebView webView=(WebView)findViewById(R.id.webview);

webView.setWebViewClient(new WebViewClient());

webView.loadUrl(webPageUrl.toString());

}

}