

CO3

1. Implement Intent to navigate between multiple activities

Main Activity.java

```
package com.example.implicitintents;

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;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    Button view,dial,email;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);
        view=(Button)findViewById(R.id.btview);
        dial=(Button)findViewById(R.id.btdial);
        email=(Button)findViewById(R.id.btemail);

        view.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                try {
                    Intent i=new Intent(Intent.ACTION_VIEW,
                    Uri.parse("http://www.javatpoint.com"));
                    startActivity(i);
                }catch (Exception e){
                    Toast.makeText(getApplicationContext(),e.toString(),Toast.LENGTH_SHORT).show();
                }
            }
        });
        dial.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                try {
                    Intent dialIntent = new Intent(Intent.ACTION_DIAL,
                    Uri.parse("tel:9876543210"));
                    startActivity(dialIntent);
                } catch (Exception e) {
```

```

Toast.makeText(getApplicationContext(), e.toString(),
Toast.LENGTH_SHORT).show();
}
}
});
email.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
Intent email = new Intent(Intent.ACTION_SEND);

startActivity(Intent.createChooser(email, "Choose an Email
client:")); }

});
}
}

```

XML

```

<?xml version="1.0" encoding="utf-8" ?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android" x
mlns: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/btview"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="View"
tools:layout_editor_absoluteX="63dp"
tools:layout_editor_absoluteY="372dp" />

<Button
android:id="@+id/btdial"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Dial"
android:layout_toRightOf="@+id/btview"
android:layout_marginLeft="25dp"
tools:layout_editor_absoluteX="96dp"
tools:layout_editor_absoluteY="332dp" />

<Button
android:id="@+id/btemail"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Email"
android:layout_toRightOf="@id/btdial"
android:layout_marginLeft="50dp"
tools:layout_editor_absoluteX="67dp"

```

```
tools:layout_editor_absoluteY="235dp" />

</RelativeLayout>
```

Manifest.xml

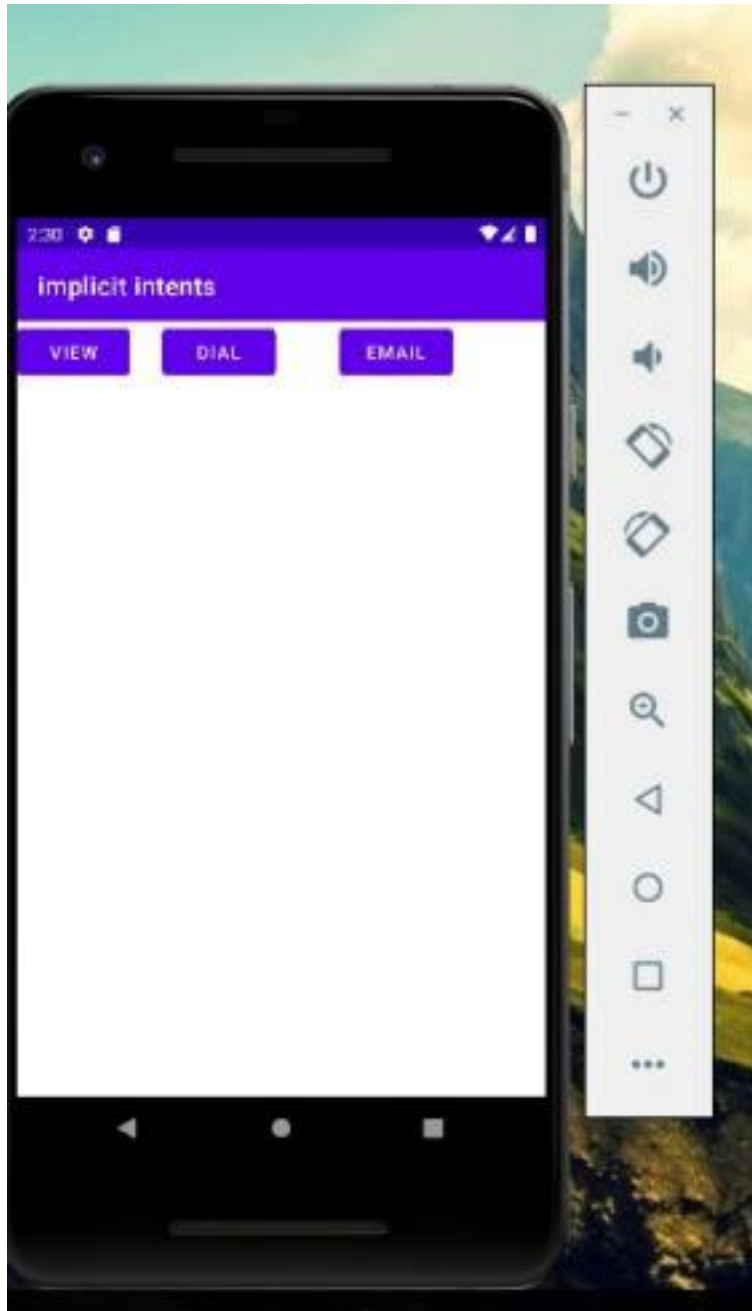
```
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/andro
id" package="com.example.implicitintents">

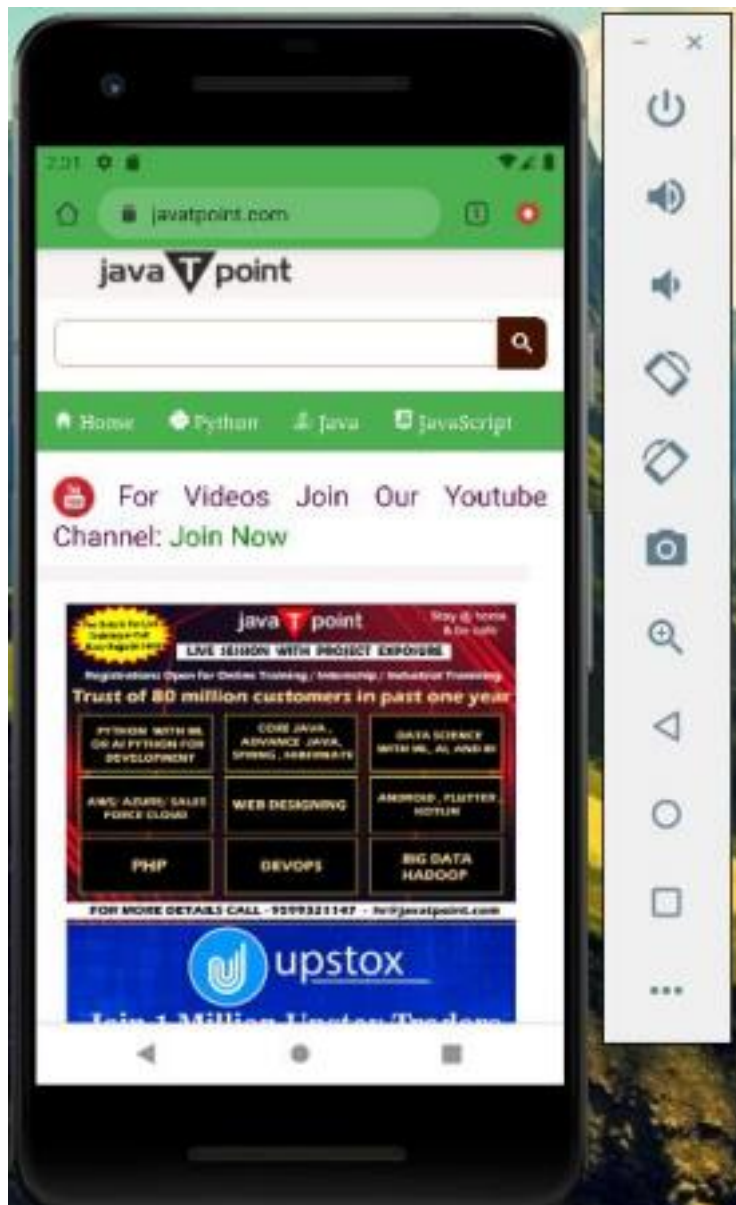
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.ImplicitIntents">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

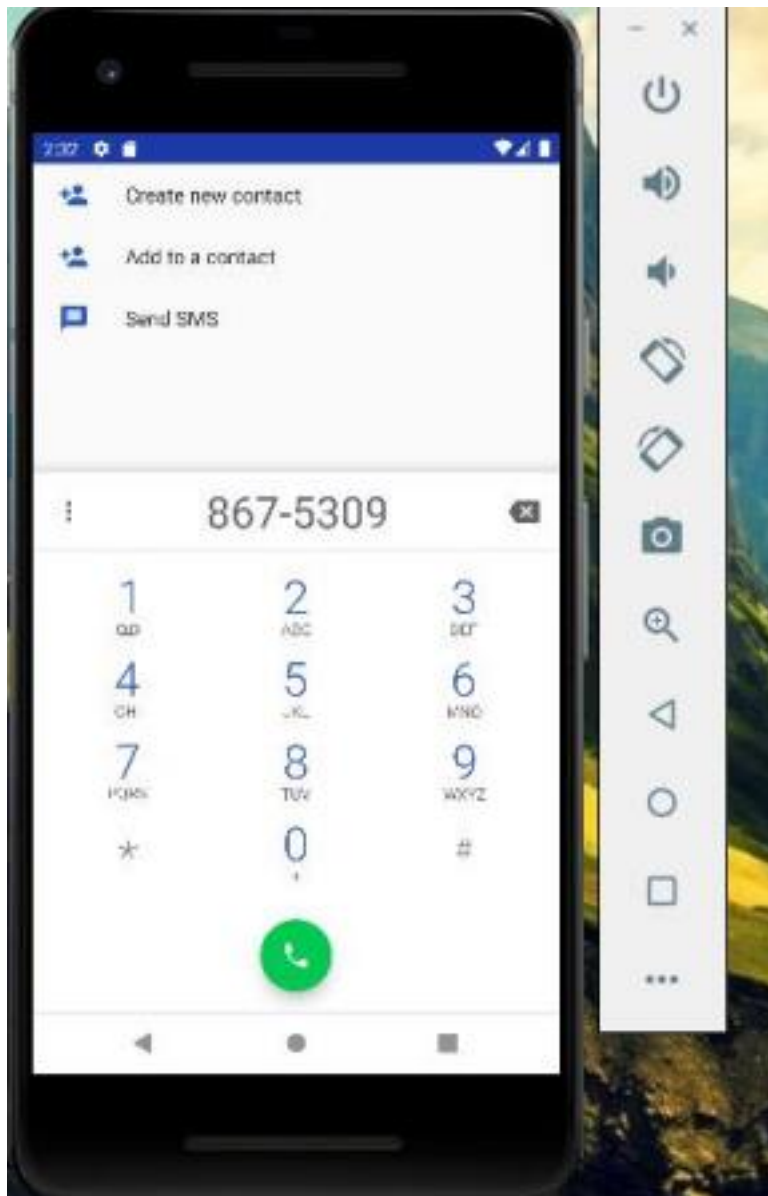
                <category android:name="android.intent.category.LAUNCHER"
            /> </intent-filter>
            </activity>
        </application>

    </manifest>
```

OUTPUT







2. Implement Options Menu to navigate to activities

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:layout_width="wrap_content"
        android:layout_height="wrap_content"    android:text="Hello
World!"    app:layout_constraintBottom_toBottomOf="parent"
```

```

app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Samplemenu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">
    <item android:id="@+id/item1"    android:title="item1"/>
    <item android:id="@+id/item2"
        android:title="item2"        app:showAsAction="ifRoom"
        android:icon="@drawable/ic_launcher_background"/>
        <item android:id="@+id/item3"
            android:title="item3"
            app:showAsAction="ifRoom">
            <menu>
            <item android:id="@+id/subitem1"
                android:title="Sub1"/>    <item
                android:id="@+id/subitem2"
                android:title="Sub2"/>
            </menu>
        </item>
    </menu>

```

MAIN ACTIVITY

```

package com.example.optionsmenu;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle; import
android.view.Menu; import
android.view.MenuInflater; import
android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}

```

```

        @Override    public boolean
onCreateOptionsMenu(Menu menu) {
MenuInflater inflater=getMenuInflater();
inflater.inflate(R.menu.samplemenu,menu);
return true;
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
switch (item.getItemId())
    {
        case
R.id.item1:
                Intent i=new Intent(this,MainActivity2.class);
startActivity(i);
                break;
        case
R.id.item2:
                Toast.makeText(getApplicationContext(),"item2",Toast.LENGTH_
SHORT).show();
                break;
        case R.id.subitem1:
                Toast.makeText(getApplicationContext(),"subitem1",Toast.LENG
TH_SHORT).show();
                break;
        case R.id.subitem2:
                Toast.makeText(getApplicationContext(),"subitem2",Toast.LENG
TH_SHORT).show();
                break;

    }
    return true;
    }
}

```

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=".MainActivity2">

</androidx.constraintlayout.widget.ConstraintLayout>

```

MAIN ACTIVITY2

```

package com.example.optionsmenu;

import androidx.appcompat.app.AppCompatActivity;

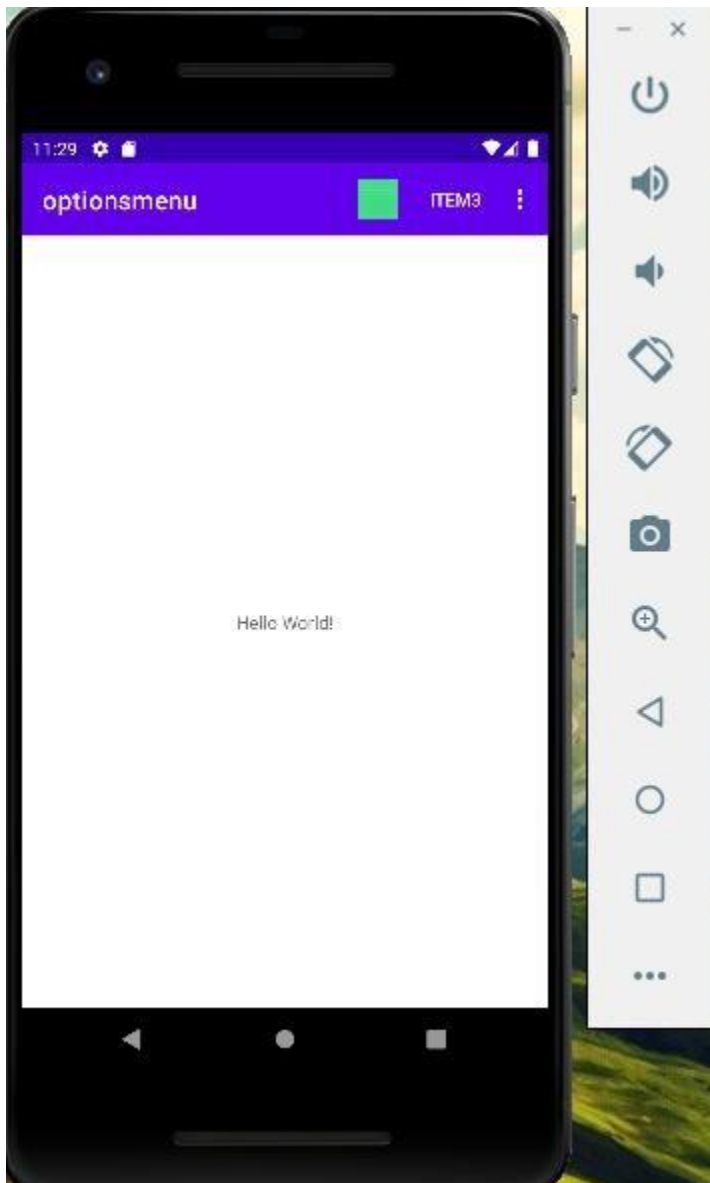
import android.os.Bundle;

```



```
public class MainActivity2 extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main2);  
    }  
}
```

OUTPUT



3. Develop an application that uses ArrayAdapter with ListView

activity.main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
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:orientation="vertical"      tools:context=".MainActivity">

    <TextView
```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"                android:text="Week Days"
        android:textSize="20sp"
        android:textColor="#4A56C3"/>

        <ListView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/iv"
        android:divider="@color/purple_500"
            android:dividerHeight="3dp"/>

    </LinearLayout>

```

TEXTVIEW.Xml

```

<?xml version="1.0" encoding="utf-8"?>
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"                android:textColor="#B80909"
    android:textStyle="bold"                android:textSize="25dp">

</TextView>

```

MainActivity.java

```

package com.example.adapter;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import
android.view.View; import
android.widget.AdapterView; import
android.widget.AdapterView; import
android.widget.AdapterView; import
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    String
    s[]={"Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sun
    day"};
    ListView lv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }
}

```

```

setContentView(R.layout.activity_main);          lv=(ListView)
findViewById(R.id.lv);
ArrayAdapter<String>adapter=new
ArrayAdapter<String>(this,R.layout.textview,s);
    lv.setAdapter(adapter);          lv.setOnItemClickListener(new
AdapterView.OnItemClickListener()
{
    @Override
    public void onItemClick(AdapterView<?> parent, View view,
int position, long id) {
        Toast.makeText(getApplicationContext(),lv.getItemAtPosi
tion(position).toString(),Toast.LENGTH_SHORT).show();
    }
});
}
}

```

OUTPUT

