

**C04**

### 1.Develop an application that use GridView with images and display Alert on selection

## Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<GridView 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"
android:id="@+id/gridview"    android:numColumns="auto_fit"
android:columnWidth="90dp"    android:verticalSpacing="6dp"
android:horizontalSpacing="6dp"
android:stretchMode="columnWidth"
    android:gravity="center">
</GridView>
```

## Main Activity.java

```
package com.example.gridviewadapter;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import
android.view.View; import
android.widget.AdapterView; import
android.widget.ArrayAdapter;
import android.widget.GridView;

public class MainActivity extends AppCompatActivity {
    GridView gv;
    String[]
    gridViewString={ "desktop","raspberrry","sensor","ultrasonic","desk","raspberr","sensors","ul
    trasonics","fff"};
    public int

    imgarray[]={ R.drawable.a,R.drawable.b,R.drawable.c,R.drawable.d,R.drawable.e,R.drawabl
    e.a,R.drawable.b,R.drawable.c,R.drawable.d};

    @Override
```

```

        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            ImageAdapter imageAdapter=new
            ImageAdapter(this,R.layout.iview,gridViewString,imgarray);
            gv=findViewById(R.id.gridview);    gv.setAdapter(imageAdapter);
            gv.setOnItemClickListener(new AdapterView.OnItemClickListener() {
                @Override
                public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
                    AlertDialog.Builder bldr;
                    bldr=new AlertDialog.Builder(MainActivity.this);
                    bldr.setTitle("Title");
                    AlertDialog alrt=bldr.create();
                    alrt.setMessage(gridViewString[position]);    alrt.show();

                }
            });
        }
    }
}

```

### **ImageAdapter**

```

package com.example.gridviewadapter;

```

```

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View; import
android.view.ViewGroup; import
android.widget.AdapterView; import
android.widget.ImageView;
import android.widget.TextView;

```

```

    public class ImageAdapter extends ArrayAdapter {
        private Context mContext;
        private String gvstring[];    private
        int imgarray[];    LayoutInflater
        inflater = null;

        public ImageAdapter(Context c, int resource, String s[], int x[]) {
            super(c, resource);    mContext = c;    gvstring = s;
            imgarray = x;
            inflater = LayoutInflater.from(c);
        }

        @Override
        public int getCount() {
            return imgarray.length;

```

```

    }

    @Override
    public Object getItem(int position) {
        return null;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent) {
        if (convertView == null)
            convertView = inflater.inflate(R.layout.iview, null);
        TextView country = (TextView) convertView.findViewById(R.id.tv1);
        ImageView icon = (ImageView) convertView.findViewById(R.id.imageV1);
        icon.setImageResource(imgarray[position]);
        country.setText(gvstring[position]);        return convertView;
    }
}

```

### **iview.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:orientation="vertical"    android:layout_width="match_parent"
    android:layout_height="match_parent">

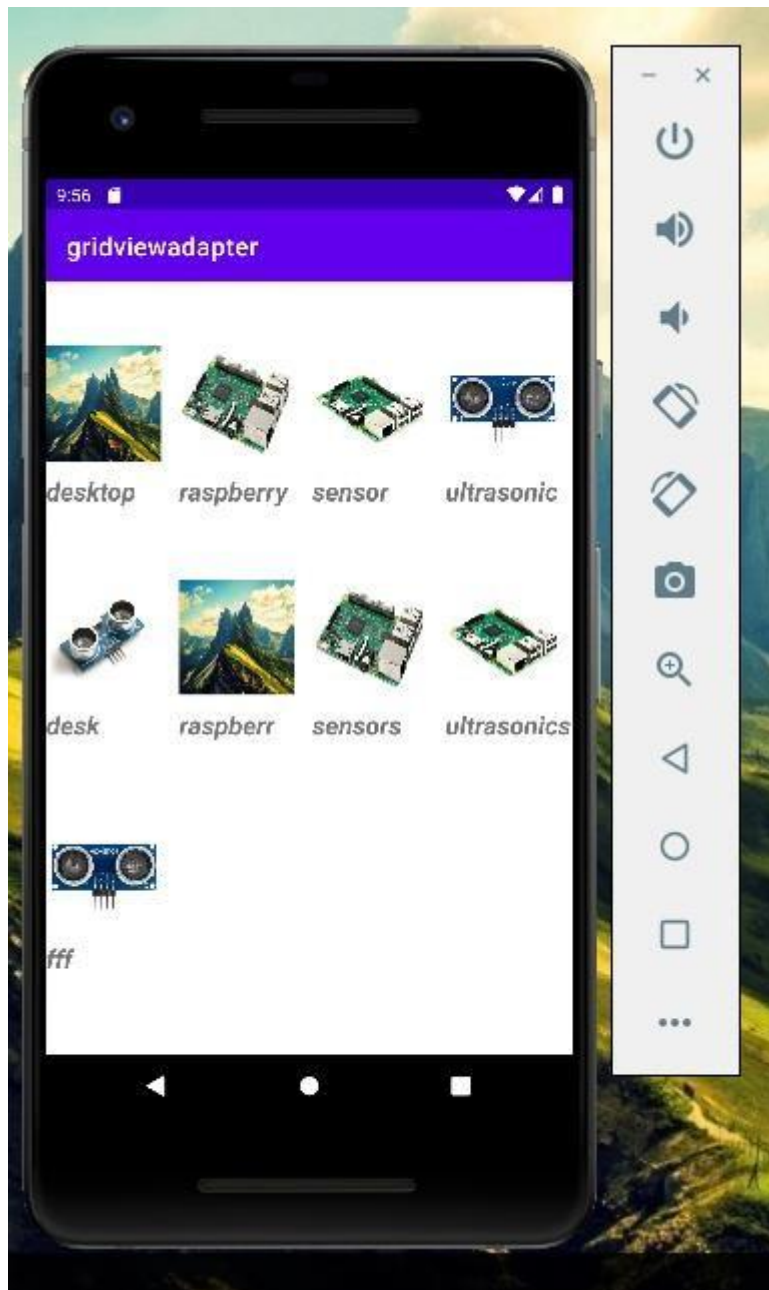
    <ImageView
        android:id="@+id/imageV1"
        android:layout_width="90dp"
        android:layout_height="90dp"    android:scaleType="fitXY"
        android:layout_marginTop="50dp"
        tools:srcCompat="@tools:sample/avatars" />

    <TextView    android:id="@+id/tv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TextView"
        android:textSize="20dp"
        android:textStyle="italic|bold"
        android:layout_marginTop="10dp"/>

</LinearLayout>

```

## OUTPUT



## 2. Develop an application that implements Spinner component and perform event handling

### MAINACTIVITY

```
package com.example.spinneradapter;
```

```

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.CursorAdapter;
import android.widget.SimpleCursorAdapter;
import android.widget.Spinner;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    Spinner sp, sp1;
    SQLiteDatabase db;

    String s[] = {"Red", "Green", "Blue", "Yellow"};
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        sp = (Spinner) findViewById(R.id.spinner1);
        sp1 = (Spinner) findViewById(R.id.spinner2);
        ArrayAdapter<String> aa = new ArrayAdapter<String>(this,
R.layout.tv, s);
        sp.setAdapter(aa);
        sp.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view,
int position, long id) {
                Toast.makeText(getApplicationContext(), s[position],
Toast.LENGTH_SHORT).show();
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {
                return;
            }
        });
        try {
            db = openOrCreateDatabase("db1", MODE_PRIVATE, null);
            db.execSQL("create table emp(eno integer, ename text, ecountry
text)");
            db.execSQL("insert into emp values(1, 'Nisha', 'India')");
            db.execSQL("insert into emp values(2, 'Maya', 'US')");
            db.execSQL("insert into emp values(3, 'Manju', 'UK')");
            db.execSQL("insert into emp values(4, 'Neenu', 'Canada')");
        } catch (Exception e) {
        }
        Cursor c = db.rawQuery("select eno as _id, ename as name, ecountry
as country from emp", null);
        String s1[] = {"country"};
        int ids[] = {R.id.tv1};
        CursorAdapter ca = new SimpleCursorAdapter(this,
R.layout.cursorview, c, s1, ids);
        sp1.setAdapter(ca);
    }
}

```

```

        spl.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view,
int position, long id) {
        Cursor item=(Cursor)parent.getSelectedItem();
        String value=(item.getString(2));
        Toast.makeText(getApplicationContext(),value,Toast.LENGTH_
SHORT).show();
    }

    @Override
    public void onNothingSelected(AdapterView<?> parent) {

    }

});
}
}

```

### ACTIVITY 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"
    tools:context=".MainActivity"
    android:orientation="horizontal">

    <Spinner
        android:id="@+id/spinner1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1" />

    <Spinner
        android:id="@+id/spinner2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1" />

</LinearLayout>

```

### CURSORVIEWW XML

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/tv1"
        android:layout_width="match_parent"

```

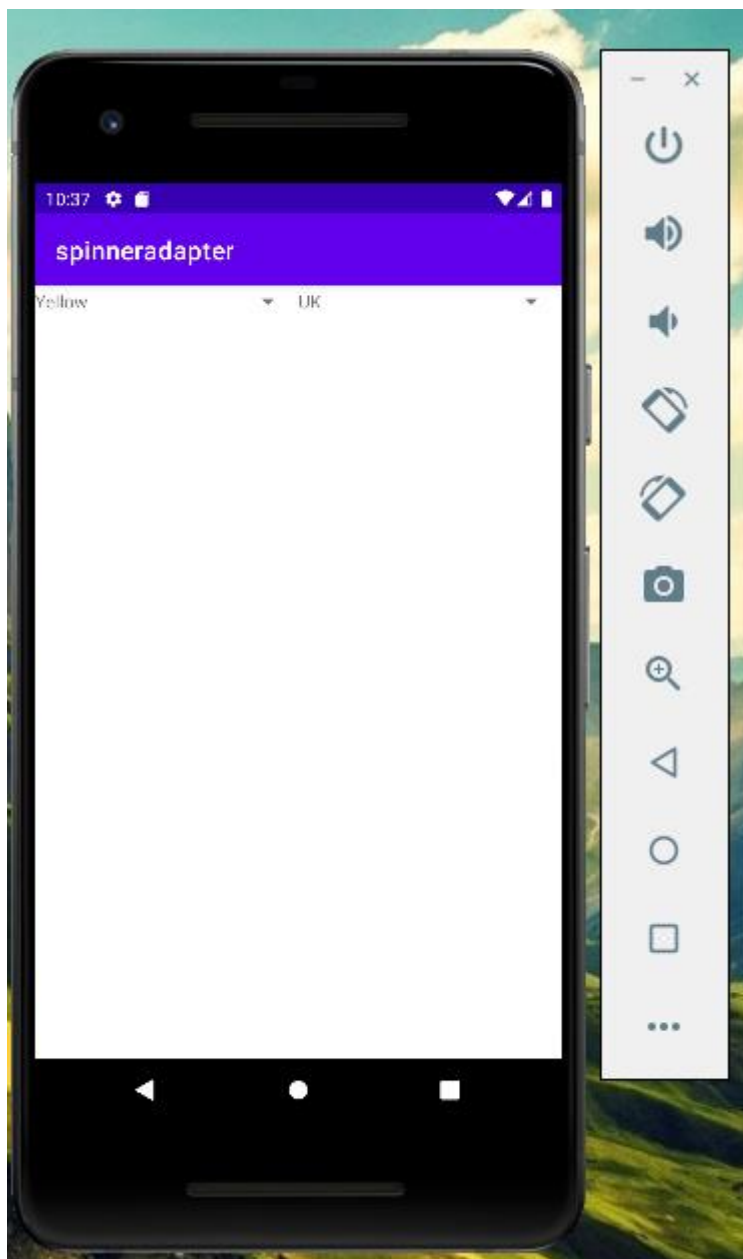
```
        android:layout_height="wrap_content"
        android:text="TextView" />
</LinearLayout>
```

### TV.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">

</TextView>
```

### OUTPUT



### **3. Apply themes via code and manifest file**

#### **Activity.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"
    android:theme="@style/mystyle">

    <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"
style="@style/mystyle"/>

</androidx.constraintlayout.widget.ConstraintLayout>
```

#### **Androidmanifest.xml**

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

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.AppCompat.Light.NoActionBar">
        <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>

### **night/themes**

```
<resources xmlns:tools="http://schemas.android.com/tools">
  <!-- Base application theme. -->
  <style name="Theme.Stylesandthemes"
parent="Theme.MaterialComponents.DayNight.DarkActionBar">
    <!-- Primary brand color. -->
    <item name="colorPrimary">@color/purple_200</item>
    <item name="colorPrimaryVariant">@color/purple_700</item>
    <item name="colorOnPrimary">@color/black</item>
    <!-- Secondary brand color. -->
    <item name="colorSecondary">@color/teal_200</item>
    <item name="colorSecondaryVariant">@color/teal_200</item>
    <item name="colorOnSecondary">@color/black</item>
    <!-- Status bar color. -->
    <item name="android:statusBarColor"
tools:targetApi="l">?attr/colorPrimaryVariant</item>
    <!-- Customize your theme here. -->
  </style>
</resources>
```

### **value/themes**

```
<resources xmlns:tools="http://schemas.android.com/tools">
  <!-- Base application theme. -->
  <style name="Theme.Stylesandthemes"
parent="Theme.MaterialComponents.DayNight.DarkActionBar">
    <!-- Primary brand color. -->
    <item name="colorPrimary">@color/purple_500</item>
    <item name="colorPrimaryVariant">@color/purple_700</item>
    <item name="colorOnPrimary">@color/white</item>
    <!-- Secondary brand color. -->
    <item name="colorSecondary">@color/teal_200</item>
    <item name="colorSecondaryVariant">@color/teal_700</item>
    <item name="colorOnSecondary">@color/black</item>
    <!-- Status bar color. -->
    <item name="android:statusBarColor"
tools:targetApi="l">?attr/colorPrimaryVariant</item>
    <!-- Customize your theme here. -->
  </style>
  <style name="mystyle" parent="Theme.AppCompat.DayNight.DarkActionBar">
    <item name="android:textColor">#1BEF70</item>
```

```
        <item name="android:textStyle">italic</item>
        <item name="android:textSize">30sp</item>
    </style>

</resources>
```

### **Mainactivity**

```
package com.example.stylesandthemes;

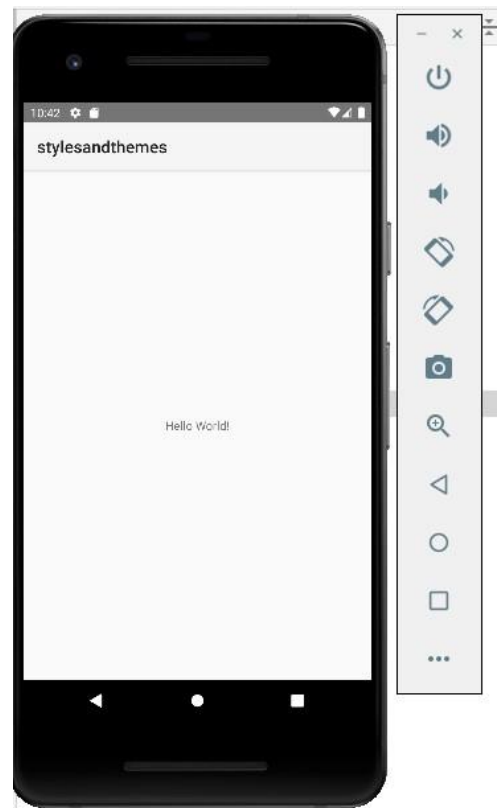
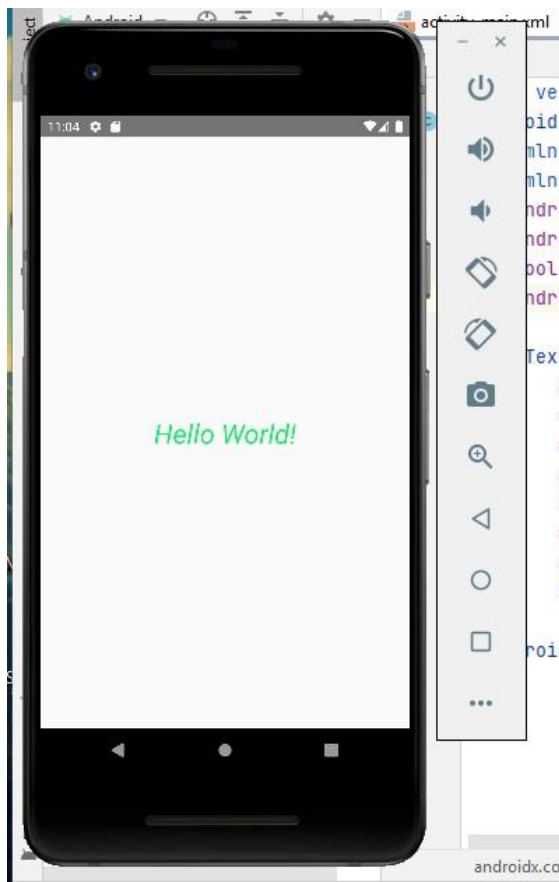
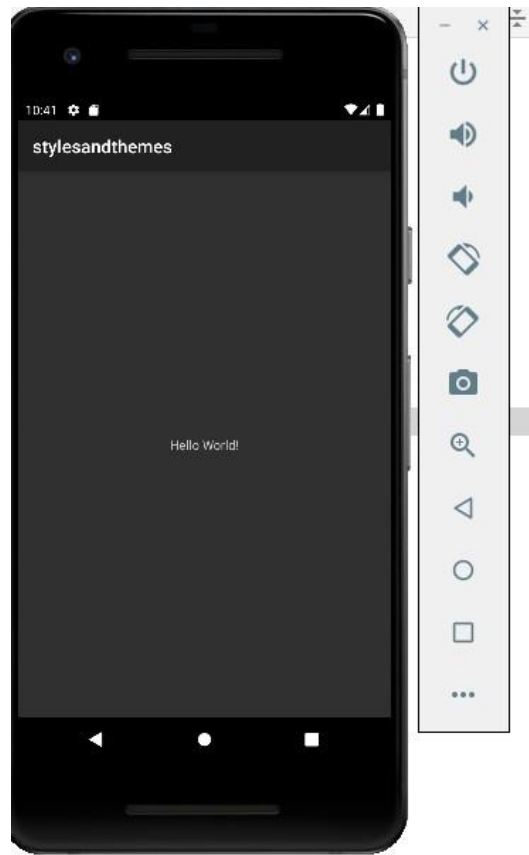
import androidx.appcompat.app.AppCompatActivity;

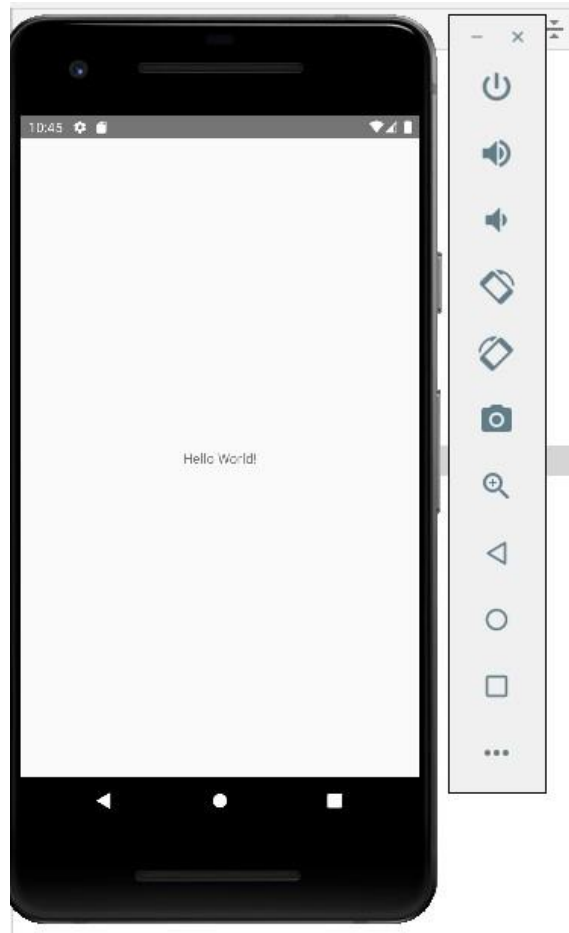
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

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

### **Output**





#### **4. Develop application using Fragments**

##### **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="Hello
World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```

<Button
android:id="@+id/firstFragment"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="@color/black"
android:textSize="20sp"
android:textColor="#CDDC39"
    android:text="firstfragment" />

<Button
    android:id="@+id/secondFragment"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:background="@color/black"
android:textSize="20sp"    android:textColor="#CDDC39"
    android:text="secondfragment" />

<FrameLayout
android:id="@+id/FrameLayout"
android:layout_width="match_parent"
android:layout_height="match_parent"
    android:layout_marginTop="10dp">

</FrameLayout>

</LinearLayout>

```

### **Main Activity.java**

```

package com.example.fragmentexample;

import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.Fragment; import
androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;

import android.os.Bundle; import
android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {
    Button firstFragment,secondFragment;

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    firstFragment=(Button) findViewById(R.id.firstFragment);
    secondFragment=(Button) findViewById(R.id.secondFragment);
    firstFragment.setOnClickListener(new View.OnClickListener() {
        @Override          public void
onClick(View v) {
            loadFragment(new FirstFragment());
        }
    });
    secondFragment.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
loadFragment(new SecondFragment());
        }
    });
}
private void loadFragment(Fragment fragment)
{
    FragmentManager fm=getSupportFragmentManager();
    FragmentTransaction fragmentTransaction=fm.beginTransaction();
    fragmentTransaction.replace(R.id.FrameLayout,fragment);
    fragmentTransaction.commit();
}
}

```

### **firstFragment.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout 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=".FirstFragment">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="This is first fragment" />

    <Button
        android:id="@+id/firstButton"
        android:layout_marginTop="40dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"

```

```
        android:text="FirstFragment" />
```

```
</FrameLayout>
```

### **firstFragment.java**

```
package com.example.fragmentexample;
```

```
import android.os.Bundle;
```

```
import androidx.fragment.app.Fragment;
```

```
import android.view.LayoutInflater; import
```

```
android.view.View;
```

```
import android.view.ViewGroup;
```

```
/**
```

```
 * A simple {@link Fragment} subclass.
```

```
 * Use the {@link FirstFragment#newInstance} factory method to *  
 * create an instance of this fragment.
```

```
*/
```

```
public class FirstFragment extends Fragment {
```

```
    // TODO: Rename parameter arguments, choose names that match
```

```
    // the fragment initialization parameters, e.g. ARG_ITEM_NUMBER
```

```
    private static final String ARG_PARAM1 = "param1"; private static
```

```
    final String ARG_PARAM2 = "param2";
```

```
    // TODO: Rename and change types of parameters
```

```
    private String mParam1;
```

```
    private String mParam2;
```

```
    public FirstFragment() {
```

```
        // Required empty public constructor
```

```
    }
```

```
    /**
```

```
 * Use this factory method to create a new instance of * this  
 * fragment using the provided parameters.
```

```
 *
```

```
 * @param param1 Parameter 1.
```

```
 * @param param2 Parameter 2.
```

```
 * @return A new instance of fragment FirstFragment.
```

```
 */
```

```
    // TODO: Rename and change types and number of parameters public  
    static FirstFragment newInstance(String param1, String param2) {
```

```

        FirstFragment fragment = new FirstFragment();
        Bundle args = new Bundle();
        args.putString(ARG_PARAM1, param1);
        args.putString(ARG_PARAM2, param2);
        fragment.setArguments(args);
        return fragment;
    }

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        if (getArguments() != null) {
            mParam1 = getArguments().getString(ARG_PARAM1);
            mParam2 = getArguments().getString(ARG_PARAM2);
        }
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        return inflater.inflate(R.layout.fragment_first, container, false);
    }
}

```

### **secondFragment.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout 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=".SecondFragment">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="This is secondfragment" />

    <Button
        android:id="@+id/secondbutton"
        android:layout_marginTop="40dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="secondFragment" />

```



</FrameLayout>

### **secondFragment.java**

```
package com.example.fragmentexample;
```

```
import android.os.Bundle;
```

```
import androidx.fragment.app.Fragment;
```

```
import android.view.LayoutInflater; import  
android.view.View;  
import android.view.ViewGroup;
```

```
/**
```

```
 * A simple {@link Fragment} subclass.
```

```
 * Use the {@link SecondFragment#newInstance} factory method to *  
 * create an instance of this fragment.
```

```
*/
```

```
public class SecondFragment extends Fragment {
```

```
    // TODO: Rename parameter arguments, choose names that match  
    // the fragment initialization parameters, e.g. ARG_ITEM_NUMBER  
    private static final String ARG_PARAM1 = "param1"; private static  
    final String ARG_PARAM2 = "param2";
```

```
    // TODO: Rename and change types of parameters  
    private String mParam1;  
    private String mParam2;
```

```
    public SecondFragment() {  
        // Required empty public constructor  
    }
```

```
    /**
```

```
 * Use this factory method to create a new instance of * this  
 * fragment using the provided parameters.
```

```
 *
```

```
 * @param param1 Parameter 1.
```

```
 * @param param2 Parameter 2.
```

```
 * @return A new instance of fragment SecondFragment.
```

```
 */
```

```
    // TODO: Rename and change types and number of parameters public  
    static SecondFragment newInstance(String param1, String param2) {  
        SecondFragment fragment = new SecondFragment();  
        Bundle args = new Bundle();  
        args.putString(ARG_PARAM1, param1);
```

```

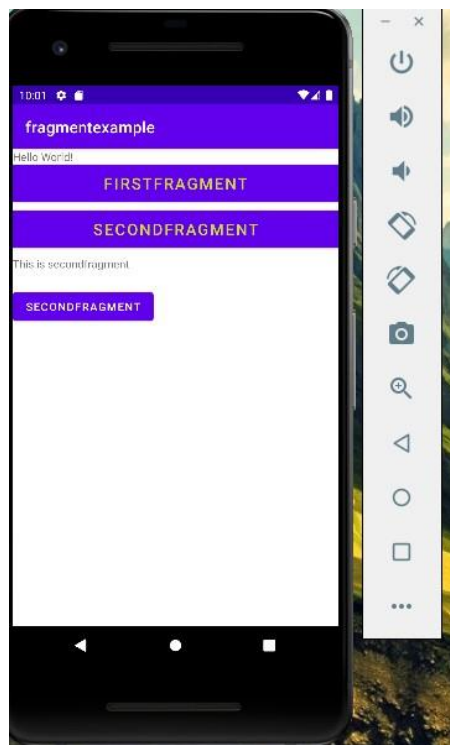
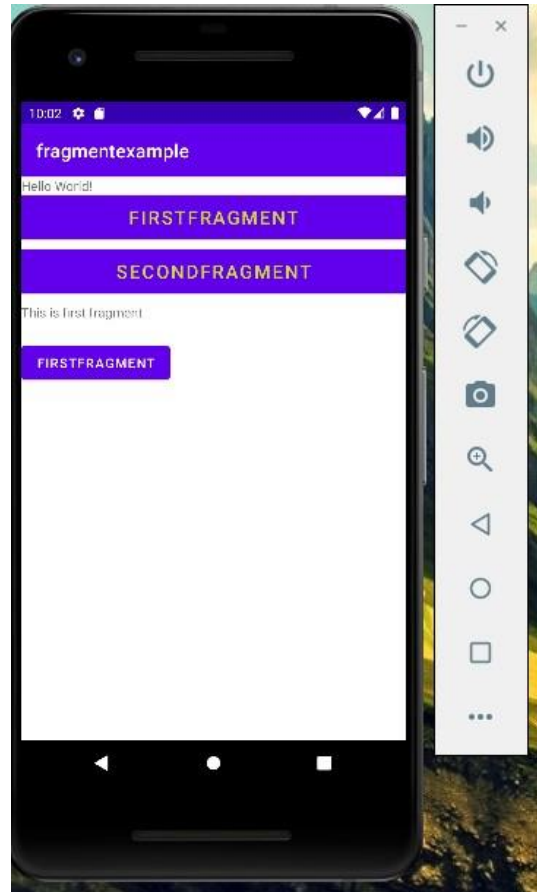
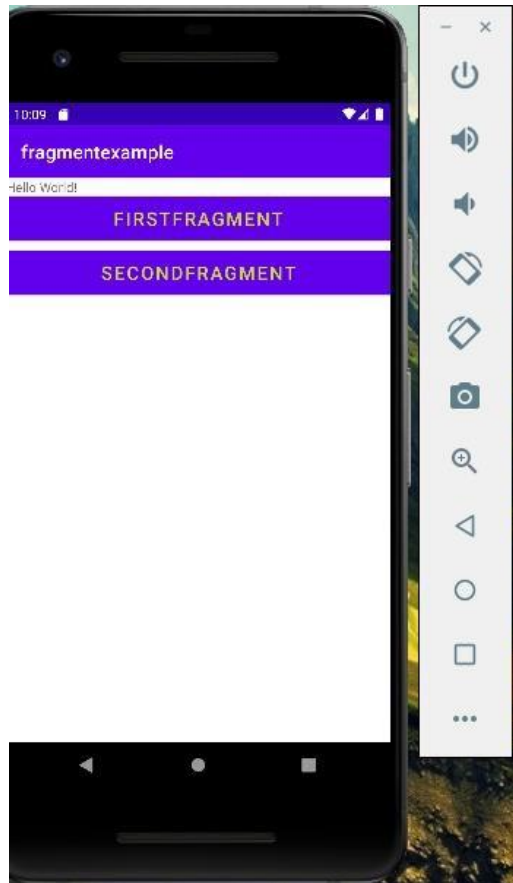
args.putString(ARG_PARAM2, param2);
fragment.setArguments(args);
    return fragment;
}

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
    if (getArguments() != null) {
        mParam1 = getArguments().getString(ARG_PARAM1);
        mParam2 = getArguments().getString(ARG_PARAM2);
    }
}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup container,
        Bundle savedInstanceState) {
// Inflate the layout for this fragment
    return inflater.inflate(R.layout.fragment_second, container, false);
}
}

```

## **OUTPUT**



## **5. Implement Navigation drawer**

**Activity\_main.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
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/my_drawer_layout"
android:layout_width="match_parent"
android:layout_height="match_parent"    tools:context=".MainActivity">
    <LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="vertical"
android:gravity="center">
        <TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:textSize="50dp"
android:text="Navigation!!!"
android:textColor="#B71DD1"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
    </LinearLayout>
    <com.google.android.material.navigation.NavigationView
android:layout_width="wrap_content"
android:layout_height="match_parent"    android:id="@+id/nav_view"
        android:layout_gravity="start"
app:menu="@menu/navigationmenu"/>
</androidx.drawerlayout.widget.DrawerLayout >

```

### **Mainactivity.java**

```

package com.example.navigationdrawer; import
androidx.annotation.NonNull; import
androidx.appcompat.app.ActionBarDrawerToggle; import
androidx.appcompat.app.AppCompatActivity; import
androidx.drawerlayout.widget.DrawerLayout; import
android.os.Bundle; import android.view.MenuItem;
import android.widget.Toast;

import com.example.navigationdrawer.R; import
com.google.android.material.navigation.NavigationView; public
class MainActivity extends AppCompatActivity {
    DrawerLayout dl;
    ActionBarDrawerToggle abdg;
    @Override

```

```

    protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
        dl=(DrawerLayout)findViewById(R.id.my_drawer_layout);
        abdg =new ActionBarDrawerToggle(this,dl, R.string.nav_open,R.string.nav_close);
dl.addDrawerListener(abdg);
        abdg.syncState();
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        NavigationView navView = (NavigationView) findViewById(R.id.nav_view);
navView.setNavigationItemSelectedListener(new
NavigationView.OnNavigationItemSelectedListener() {
    @Override
    public boolean onNavigationItemSelected(@NonNull MenuItem menuItem)
    {
        int itemId = menuItem.getItemId();
if (itemId == R.id.nav_account) {
            Toast.makeText(getApplicationContext(),
                menuItem.getTitle(), Toast.LENGTH_SHORT).show();
        } else if (itemId == R.id.nav_settings) {
Toast.makeText(getApplicationContext(),
            menuItem.getTitle(), Toast.LENGTH_SHORT).show();
        } else if (itemId == R.id.nav_logout) {
Toast.makeText(getApplicationContext(),
            menuItem.getTitle(), Toast.LENGTH_SHORT).show();
        } return false;
    }
});
    }
    public boolean onOptionsItemSelected(@NonNull MenuItem item)
    {
        if (abdg.onOptionsItemSelected(item))
return true;
        return super.onOptionsItemSelected(item);
    }
}

```

### **Navigationmenu.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/nav_account"
android:title="My Account" />    <item
android:id="@+id/nav_settings"
android:title="Settings" />
    <item android:id="@+id/nav_logout"
        android:title="Logout" />
</menu>

```

## Strings.xml

```
<resources>
  <string name="app_name">navigation</string>
  <string name="nav_open">Open</string>
  <string name="nav_close">Close</string>
</resources>
```

## OUTPUT

