**1.PLANENTS**

<!-- activity\_main.xml -->  
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout 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"  
    android:padding="16dp"  
    tools:context=".MainActivity">  
  
    <Spinner  
        android:id="@+id/spinner"  
        android:layout\_width="match\_parent"  
        android:layout\_height="wrap\_content"  
        android:layout\_centerHorizontal="true"  
        android:entries="@array/planets\_array" />  
  
    <ImageView  
        android:id="@+id/imageView"  
        android:layout\_width="wrap\_content"  
        android:layout\_height="wrap\_content"  
        android:layout\_below="@id/spinner"  
        android:layout\_centerHorizontal="true"  
        android:paddingTop="16dp"  
        android:src="@drawable/ic\_launcher\_foreground" />  
</RelativeLayout>

<!-- arrays.xml -->  
<resources>  
    <string-array name="planets\_array">  
        <item>Mercury</item>  
        <item>Venus</item>  
        <item>Earth</item>  
        <!-- Add more items as needed -->  
    </string-array>  
</resources>

**JAVA CODE**

import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ImageView;  
import android.widget.Spinner;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
    private Spinner spinner;  
    private ImageView imageView;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity\_main);  
  
        spinner = findViewById(R.id.spinner);  
        imageView = findViewById(R.id.imageView);  
  
        ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,  
                R.array.planets\_array, android.R.layout.simple\_spinner\_item);  
        adapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);  
        spinner.setAdapter(adapter);  
  
        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
            @Override  
            public void onItemSelected(AdapterView<?> parentView, View selectedItemView, int position, long id) {  
                String selectedOption = (String) parentView.getItemAtPosition(position);  
                int imageResource = 0;  
  
                // Set the image resource based on the selected option  
                switch (selectedOption) {  
                    case "Mercury":  
                        imageResource = R.drawable.mercury\_image;  
                        break;  
                    case "Venus":  
                        imageResource = R.drawable.venus\_image;  
                        break;  
                    case "Earth":  
                        imageResource = R.drawable.earth\_image;  
                        break;  
                    // Add more cases for other options as needed  
                }  
  
                // Set the image  
                imageView.setImageResource(imageResource);  
            }  
  
            @Override  
            public void onNothingSelected(AdapterView<?> parentView) {  
                // Do nothing  
            }  
        });  
    }  
}

spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
    @Override  
    public void onItemSelected(AdapterView<?> parentView, View selectedItemView, int position, long id) {  
        String selectedOption = (String) parentView.getItemAtPosition(position);  
        int imageResource = 0;  
  
        // Set the image resource based on the selected option  
        switch (selectedOption) {  
            case "Mercury":  
                imageResource = R.drawable.mercury\_image;  
                break;  
            case "Venus":  
                imageResource = R.drawable.venus\_image;  
                break;  
            case "Earth":  
                imageResource = R.drawable.earth\_image;  
                break;  
            // Add more cases for other options as needed  
        }  
  
        // Set the image  
        imageView.setImageResource(imageResource);  
    }  
  
    @Override  
    public void onNothingSelected(AdapterView<?> parentView) {  
        // Do nothing  
    }  
});

**2. SPINNER**

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>"  
    android:layout\_width="match\_parent"  
    android:layout\_height="match\_parent"  
    android:padding="16dp">  
  
    <Spinner  
        android:id="@+id/color\_spinner"  
        android:layout\_width="wrap\_content"  
        android:layout\_height="wrap\_content"  
        android:layout\_centerHorizontal="true"  
        android:layout\_marginBottom="16dp"/>  
  
    <TextView  
        android:id="@+id/textview"  
        android:layout\_width="wrap\_content"  
        android:layout\_height="wrap\_content"  
        android:layout\_below="@id/color\_spinner"  
        android:layout\_centerHorizontal="true"  
        android:layout\_marginTop="16dp"  
        android:padding="16dp"  
        android:text="Sample Text"  
        android:textSize="24sp" />  
  
</RelativeLayout>

**JAVA CODE**

import android.graphics.Color;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Spinner;  
import android.widget.TextView;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
    Spinner colorSpinner;  
    TextView textView;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity\_main);  
  
        colorSpinner = findViewById(R.id.color\_spinner);  
        textView = findViewById(R.id.textview);  
  
        // Define the color options in the spinner  
        String[] colors = {"Red", "Green", "Blue", "Yellow"};  
        ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.simple\_spinner\_item, colors);  
        adapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);  
        colorSpinner.setAdapter(adapter);  
  
        // Set listener to handle spinner item selection  
        colorSpinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
            @Override  
            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
                String selectedColor = (String) parent.getItemAtPosition(position);  
                int color = getColorCode(selectedColor);  
                textView.setBackgroundColor(color);  
            }  
  
            @Override  
            public void onNothingSelected(AdapterView<?> parent) {  
                // Do nothing  
            }  
        });  
    }  
  
    // Method to return the color code based on selected label  
    private int getColorCode(String colorLabel) {  
        switch (colorLabel) {  
            case "Red":  
                return Color.RED;  
            case "Green":  
                return Color.GREEN;  
            case "Blue":  
                return Color.BLUE;  
            case "Yellow":  
                return Color.YELLOW;  
            default:  
                return Color.BLACK;  
        }  
    }  
}

3. **PATIENT REGISTRATION**

**{*NEED TO MODIFY THE STUDENT DETAILS INTO PATIENT DETAILS}***

<?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="match\_parent"

        android:layout\_height="wrap\_content"

        android:text="Enter Name"

        android:textSize="30dp"

        />

    <EditText

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:id="@+id/edttxtname"

        android:textSize="30dp"

        />

    <TextView

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:text="Enter Age"

        android:textSize="30dp"

        />

    <EditText

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:id="@+id/edttxtage"

        android:textSize="30dp"

        />

    <Button

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:id="@+id/btnsave"

        android:text="Save"

        />

</LinearLayout>

**JAVA CODE**

package com.example.myapplication1;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    SQLiteDatabase db;

    Button btnsave;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        btnsave=(Button)findViewById(R.id.btnsave);

        EditText edttxtname = (EditText) findViewById(R.id.edttxtname);

        EditText edttxtage = (EditText) findViewById(R.id.edttxtage);

        db=openOrCreateDatabase("StudentDB", Context.MODE\_PRIVATE,null);

        db.execSQL("CREATE TABLE IF NOT EXISTS Student1(Name VARCHAR,Age VARCHAR);");

        btnsave.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                //Toast.makeText(getApplicationContext(),"Database Created",Toast.LENGTH\_LONG).show();

                db.execSQL("INSERT INTO Student1 VALUES( '"+edttxtname.getText()+"','"+ edttxtage.getText()+"');");

                Toast.makeText(getApplicationContext(),"Record Inserted",Toast.LENGTH\_LONG).show();

            }

        }); } }

**4. FOOD DELIVERY APP**

<**RelativeLayout xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**"  
 xmlns:tools="**[**http://schemas.android.com/tools**](http://schemas.android.com/tools)**"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="16dp"  
 tools:context=".MainActivity"**>  
  
 <**ListView  
 android:id="@+id/listView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
</**RelativeLayout**>

**JAVA**

**package** com.example.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.os.Bundle;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.ListView;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** ListView **listView**;  
 **private** String[] **foodItems** = {**"Pizza"**, **"Burger"**, **"Sushi"**, **"Tacos"**, **"Pasta"**};  
 **private double**[] **prices** = {10.99, 8.49, 12.99, 9.99, 11.49};  
  
 @SuppressLint(**"MissingInflatedId"**)  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **listView** = findViewById(R.id.***listView***);  
  
 *// Create an ArrayAdapter to populate the ListView* ArrayAdapter<String> adapter = **new** ArrayAdapter<>(**this**,  
 android.R.layout.***simple\_list\_item\_1***, [android.R.id](http://android.r.id/).***text1***, **foodItems**);  
  
 *// Set the ArrayAdapter on the ListView* **listView**.setAdapter(adapter);  
  
 *// Set item click listener to display price of selected food item* **listView**.setOnItemClickListener((parent, view, position, id) -> {  
 String selectedFood = **foodItems**[position];  
 **double** price = **prices**[position];  
 *// Display price using Toast or any other method  
 // For simplicity, we're just printing it to the console* System.***out***.println(**"Price of "** + selectedFood + **": $"** + price);  
 });  
 }  
}