

Termwork 1

```
package com.exemplar;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import java.util.*;
import java.sql.Array;

public class MainActivity extends AppCompatActivity {
    float font = 30;
    int r = 0, b = 0, g = 0;

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

    public void fontChange(View view) {
        TextView helloTxt = findViewById(R.id.helloTxt);
        helloTxt.setTextSize(font);
        font++;
    }

    public void colorChange(View view) {
        TextView helloTxt = findViewById(R.id.helloTxt);

        int red[] = new int[] { 221, 66, 117, 230, 2, 210 };
        int green[] = new int[] { 66, 245, 232, 11, 26, 120 };
        int blue[] = new int[] { 245, 212, 9, 11, 41, 240 };
        helloTxt.setTextColor(Color.rgb(red[r], green[g], blue[b]));
        r++;
        b++;
        g++;
        System.out.println("R : " + r);
        if (r > 5) {
            r = 0;
            g = 0;
            b = 0;
        }
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:padding="100dp"
>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World"
    android:textSize="30dp"
    android:layout_centerHorizontal="true"
    android:id="@+id/helloTxt"
    android:layout_marginBottom="100dp"
/>

<Button
    android:id="@+id/fontBtn"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/helloTxt"
    android:layout_marginTop="8dp"
    android:text="Font"
    android:textSize="30dp"
    android:onClick="fontChange"
/>

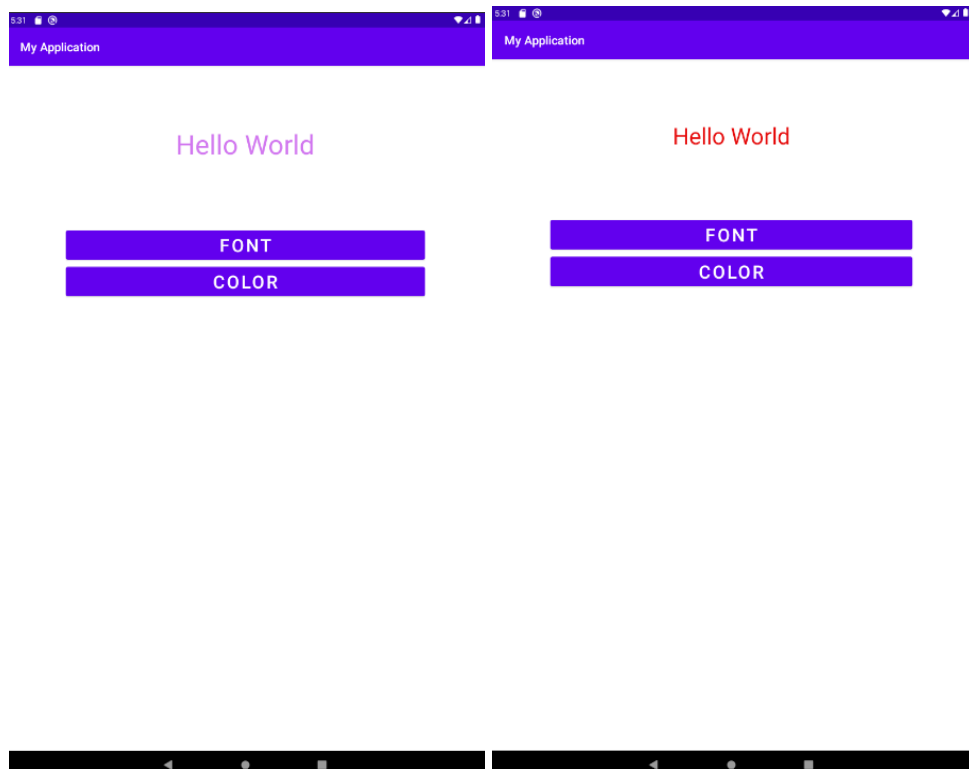
<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Color"
    android:id="@+id/colorBtn"
    android:textSize="30dp"
    android:layout_below="@id/fontBtn"
    android:onClick="colorChange"
/>

</RelativeLayout>
```

Name: Sahil Halgekar

USN: 2GI20CS120

Division: B



Termwork 2

Activity_main2.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=".MainActivity2">

    <TextView
        android:id="@+id/newName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:layout_margin="20dp"
        android:gravity="center"
        android:text="Name" />

    <TextView
        android:id="@+id/newUsn"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:layout_margin="20dp"
        android:gravity="center"
        android:text="USN" />

    <TextView
        android:id="@+id/newDept"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:layout_margin="20dp"
        android:gravity="center"
        android:text="Dept " />
</LinearLayout>

```

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:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```
        android:text="Student Detail Form"
        android:gravity="center"
        android:layout_margin="30dp"
        android:textSize="30dp"
        android:textColor="#4e3a23"
        android:typeface="sans" />
```

```
<TableLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="match_parent">
```

```
        <TextView
            android:id="@+id/nameHolder"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginVertical="25dp"
            android:layout_marginHorizontal="10dp"
            android:text="Name : "
            android:textSize="25dp" />
```

```
        <EditText
            android:id="@+id/name"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginVertical="20dp"
            android:layout_marginRight="20dp"
            android:ems="10"
            android:hint="Enter your name"
            android:textSize="25dp"
            android:inputType="text" />
```

```
    </TableRow>
```

```
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="match_parent">
```

```
        <TextView
            android:id="@+id/usnHolder"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginVertical="25dp"
            android:layout_marginHorizontal="10dp"
            android:text="USN : "
            android:textSize="25dp" />
```

```
        <EditText
            android:id="@+id/usn"
```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginVertical="20dp"
        android:layout_marginRight="20dp"
        android:ems="10"
        android:hint="Enter your USN"
        android:textSize="25dp"
        android:inputType="text" />

</TableRow>

<TableRow
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/deptholder"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginVertical="25dp"
        android:layout_marginHorizontal="10dp"
        android:text="Dept : "
        android:textSize="25dp" />

    <Spinner
        android:id="@+id/dept"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:spinnerMode="dropdown"
        android:layout_marginVertical="25dp"
        android:layout_marginHorizontal="10dp"
        android:textSize="25dp" />

</TableRow>

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="SUBMIT"
    android:textStyle="bold"
    android:layout_margin="20dp"
    android:id="@+id/submit"
    android:onClick="onSubmit"
    />

</TableLayout>

</LinearLayout>

```

MainActivity.xml

```

package com.example.tw2;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;

public class MainActivity extends AppCompatActivity {

    String departments[] = new String[] { "CSE", "ISE", "EC", "EE", "ME",
"CV", "MECH" };
    String name, usn, dept;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        EditText nameObj = (EditText) findViewById(R.id.name);
        EditText usnObj = (EditText) findViewById(R.id.usn);
        Spinner deptObj = (Spinner) findViewById(R.id.dept);
        Button btn = (Button) findViewById(R.id.submit);
        ArrayAdapter aa = new ArrayAdapter(this,

com.google.android.material.R.layout.support_simple_spinner_dropdown_item,
departments);

aa.setDropDownViewResource(com.google.android.material.R.layout.support_simple
_spinner_dropdown_item);
        deptObj.setAdapter(aa);
    }

    public void onSubmit(View view) {
        EditText nameObj = (EditText) findViewById(R.id.name);
        EditText usnObj = (EditText) findViewById(R.id.usn);
        Spinner deptObj = (Spinner) findViewById(R.id.dept);
        name = nameObj.getText().toString();
        usn = usnObj.getText().toString();
        dept = deptObj.getSelectedItem().toString();

        Intent i = new Intent(MainActivity.this, MainActivity2.class);
        i.putExtra("name_key", name);
        i.putExtra("usn_key", usn);
        i.putExtra("dept_key", dept);
        startActivity(i);
    }
}

```

MainActivity2.xml

```
package com.example.tw2;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {
    String name, usn, dept;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        TextView t1 = (TextView) findViewById(R.id.newName);
        TextView t2 = (TextView) findViewById(R.id.newUsn);
        TextView t3 = (TextView) findViewById(R.id.newDept);

        Intent i = getIntent();

        usn = i.getStringExtra("usn_key");
        name = i.getStringExtra("name_key");
        dept = i.getStringExtra("dept_key");

        t1.setText(name);
        t2.setText(usn);
        t3.setText(dept);}}
```

Name: Sahil Halgekar

USN: 2GI20CS120

Division: B

My Application

Student Detail Form

Name : Sahil

USN : 2GI20CS120

Dept : CSE

SUBMIT

Termwork 3

MainActivity.java

```
package com.example.calcu;
```

```

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {

    float a, b, c;

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

    public void handleAdd(View view) {
        EditText num1 = findViewById(R.id.num1);
        EditText num2 = findViewById(R.id.num2);
        TextView ans = findViewById(R.id.ans);

        a = Float.parseFloat(num1.getText().toString());
        b = Float.parseFloat(num2.getText().toString());
        c = a + b;
        ans.setText(" " + a + " + " + " " + b + " = " + c);
    }

    public void handleSub(View view) {
        EditText num1 = findViewById(R.id.num1);
        EditText num2 = findViewById(R.id.num2);
        TextView ans = findViewById(R.id.ans);

        a = Float.parseFloat(num1.getText().toString());
        b = Float.parseFloat(num2.getText().toString());
        c = a - b;
        ans.setText(" " + a + " - " + " " + b + " = " + c);
    }

    public void handleMul(View view) {
        EditText num1 = findViewById(R.id.num1);
        EditText num2 = findViewById(R.id.num2);
        TextView ans = findViewById(R.id.ans);

        a = Float.parseFloat(num1.getText().toString());
        b = Float.parseFloat(num2.getText().toString());
        c = a * b;
        ans.setText(" " + a + " * " + " " + b + " = " + c);
    }

```

```

    }

    public void handleDiv(View view) {
        EditText num1 = findViewById(R.id.num1);
        EditText num2 = findViewById(R.id.num2);
        TextView ans = findViewById(R.id.ans);

        a = Float.parseFloat(num1.getText().toString());
        b = Float.parseFloat(num2.getText().toString());
        c = a / b;
        ans.setText(" " + a + " / " + " " + b + " = " + c);

    }
}

```

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="wrap_content"
    android:orientation="vertical"
    tools:context=".MainActivity" >

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="50dp"
        android:orientation="horizontal">

        <EditText
            android:id="@+id/num1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:hint="1st number"
            android:inputType="number|numberDecimal"
            tools:ignore="TouchTargetSizeCheck" />

        <EditText
            android:id="@+id/num2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:hint="2nd Number"
            android:inputType="number|numberDecimal"

```

```
        tools:ignore="TouchTargetSizeCheck" />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:orientation="horizontal"
    android:layout_marginHorizontal="20dp">

    <Button
        android:id="@+id/add"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textSize="30dp"
        android:layout_marginRight="10dp"
        android:onClick="handleAdd"
        android:text="+" />

    <Button
        android:id="@+id/sub"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textSize="30dp"
        android:layout_marginRight="10dp"
        android:onClick="handleSub"
        android:text="-" />

    <Button
        android:id="@+id/mul"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textSize="30dp"
        android:layout_marginRight="10dp"
        android:onClick="handleMul"
        android:text="*" />

    <Button
        android:id="@+id/div"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textSize="30dp"
        android:layout_marginRight="10dp"
        android:onClick="handleDiv"
        android:text="/" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal"
    android:layout_marginHorizontal="20dp"
    android:layout_marginTop="100dp"
    >

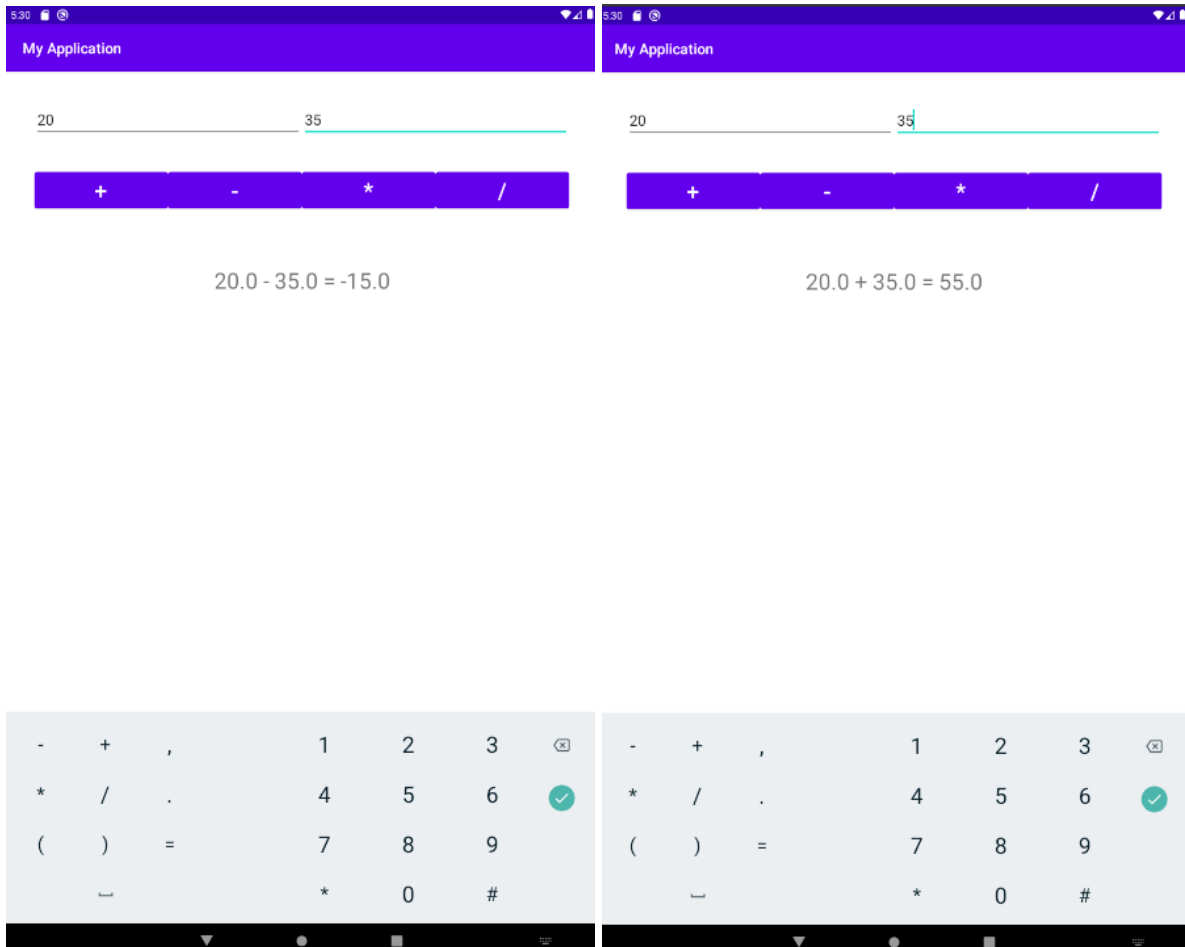
    <TextView
        android:id="@+id/ans"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textSize="20dp"
        android:hint="Answer will appear here" />
</LinearLayout>

</LinearLayout>
```

Name: Sahil Halgekar

USN:2GI20CS120

Division:B



Termwork 4

```
package com.example.tw4;
```

```

import androidx.appcompat.app.AppCompatActivity;

import android.app.AlertDialog;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
    EditText Rollno, Name, Marks;
    Button Insert, Delete, Update, View, ViewAll;
    SQLiteDatabase db;

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

        Rollno = (EditText) findViewById(R.id.roll);
        Name = (EditText) findViewById(R.id.name);
        Marks = (EditText) findViewById(R.id.marks);
        Insert = (Button) findViewById(R.id.insert);
        Delete = (Button) findViewById(R.id.delete);
        Update = (Button) findViewById(R.id.update);
        View = (Button) findViewById(R.id.view);
        ViewAll = (Button) findViewById(R.id.all);

        Insert.setOnClickListener(this);
        Delete.setOnClickListener(this);
        Update.setOnClickListener(this);
        View.setOnClickListener(this);
        ViewAll.setOnClickListener(this);

        // Creating database and table
        db = openOrCreateDatabase("StudentDB", Context.MODE_PRIVATE, null);
        db.execSQL("CREATE TABLE IF NOT EXISTS student(rollno VARCHAR,name
VARCHAR,marks VARCHAR);");
    }

    public void onClick(View view) {
        // Inserting a record to the Student table
        if (view == Insert) {
            // Checking for empty fields
            if (Rollno.getText().toString().trim().length() == 0 ||
                Name.getText().toString().trim().length() == 0 ||
                Marks.getText().toString().trim().length() == 0) {
                showMessage("Error", "Please enter all values");
                return;
            }
        }
    }

```

```

    }
    db.execSQL("INSERT INTO student VALUES('" + Rollno.getText() +
    "','" + Name.getText() + "','" + Marks.getText() + "')");
    showMessage("Success", "Record added");
    clearText();
}
// Deleting a record from the Student table
if (view == Delete) {
    // Checking for empty roll number
    if (Rollno.getText().toString().trim().length() == 0) {
        showMessage("Error", "Please enter Rollno");
        return;
    }
    Cursor c = db.rawQuery("SELECT * FROM student WHERE rollno='" +
Rollno.getText() + "'", null);
    if (c.moveToFirst()) {
        db.execSQL("DELETE FROM student WHERE rollno='" +
Rollno.getText() + "'");
        showMessage("Success", "Record Deleted");
    } else {
        showMessage("Error", "Invalid Rollno");
    }
    clearText();
}
// Updating a record in the Student table
if (view == Update) {
    // Checking for empty roll number
    if (Rollno.getText().toString().trim().length() == 0) {
        showMessage("Error", "Please enter Rollno");
        return;
    }
    Cursor c = db.rawQuery("SELECT * FROM student WHERE rollno='" +
Rollno.getText() + "'", null);
    if (c.moveToFirst()) {
        db.execSQL("UPDATE student SET name='" + Name.getText() +
    "','marks='" + Marks.getText() +
    "'" WHERE rollno='" + Rollno.getText() + "'");
        showMessage("Success", "Record Modified");
    } else {
        showMessage("Error", "Invalid Rollno");
    }
    clearText();
}
// Display a record from the Student table
if (view == View) {
    // Checking for empty roll number
    if (Rollno.getText().toString().trim().length() == 0) {
        showMessage("Error", "Please enter Rollno");
        return;
    }
}

```



```

        Cursor c = db.rawQuery("SELECT * FROM student WHERE rollno='" +
Rollno.getText() + "'", null);
        if (c.moveToFirst()) {
            Name.setText(c.getString(1));
            Marks.setText(c.getString(2));
        } else {
            showMessage("Error", "Invalid Rollno");
            clearText();
        }
    }
    // Displaying all the records
    if (view == ViewAll) {
        Cursor c = db.rawQuery("SELECT * FROM student", null);
        if (c.getCount() == 0) {
            showMessage("Error", "No records found");
            return;
        }
        StringBuffer buffer = new StringBuffer();
        while (c.moveToNext()) {
            buffer.append("Rollno: " + c.getString(0) + "\n");
            buffer.append("Name: " + c.getString(1) + "\n");
            buffer.append("Marks: " + c.getString(2) + "\n\n");
        }
        showMessage("Student Details", buffer.toString());
    }
}

public void showMessage(String title, String message) {
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setCancelable(true);
    builder.setTitle(title);
    builder.setMessage(message);
    builder.show();
}

public void clearText() {
    Rollno.setText("");
    Name.setText("");
    Marks.setText("");
    Rollno.requestFocus();
}
}

```

```

<?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:layout_margin="20dp"
    android:orientation="vertical"
    tools:context=".MainActivity" >

```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Student Details"
    android:textSize="35dp"
    android:gravity="center"
/>

<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
>

    <TextView
        android:id="@+id/rollView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter Roll No : "
        android:textSize="20dp"
    />

    <EditText
        android:id="@+id/roll"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:textSize="20dp"
        android:hint="Roll Number" />
</TableRow>

<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
>

    <TextView
        android:id="@+id/nameView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter Name : "
        android:textSize="20dp"
    />

    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```

        android:ems="10"
        android:inputType="textPersonName"
        android:textSize="20dp"
        android:hint="Name" />
</TableRow>

<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    >

    <TextView
        android:id="@+id/marksView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter Marks    : "
        android:textSize="20dp"
        />

    <EditText
        android:id="@+id/marks"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:textSize="20dp"
        android:hint="Marks" />
</TableRow>

<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:gravity="center"
    >

    <Button
        android:id="@+id/insert"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginRight="10dp"
        android:paddingHorizontal="50dp"
        android:text="Insert" />

    <Button
        android:id="@+id/delete"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingHorizontal="50dp"
        android:text="Delete" />
</TableRow>

```

```
<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:gravity="center"
>

    <Button
        android:id="@+id/update"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginRight="10dp"
        android:paddingHorizontal="50dp"
        android:text="Update" />

    <Button
        android:id="@+id/view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingHorizontal="50dp"
        android:text="View" />
</TableRow>

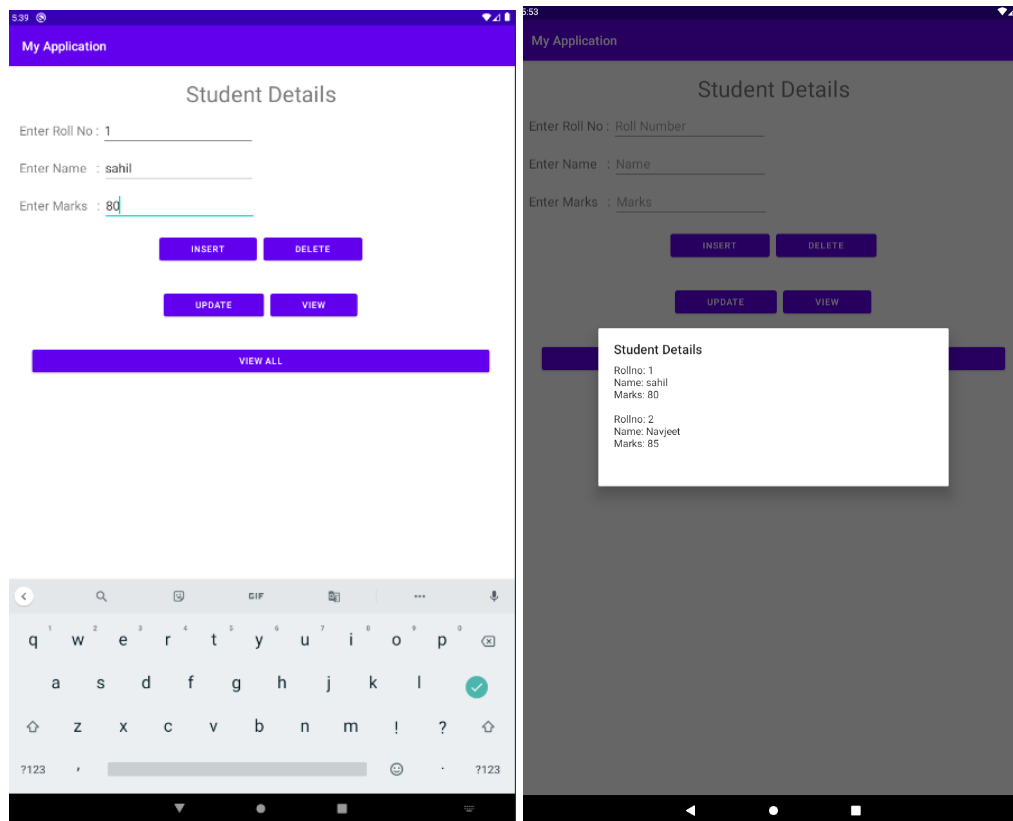
<Button
    android:id="@+id/all"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:text="View All" />

</LinearLayout>
```

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Termwork 5

```
package com.example.tw5;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.NotificationCompat;
import androidx.core.app.NotificationManagerCompat;

import android.app.Notification;
import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.os.Build;
import android.os.Bundle;
```

```

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

public class MainActivity extends AppCompatActivity {

    Button notifyBtn;

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

        notifyBtn = findViewById(R.id.button);
        if(Build.VERSION.SDK_INT >= Build.VERSION_CODES.O){
            NotificationChannel channel = new NotificationChannel("My
Notification", "My Notification", NotificationManager.IMPORTANCE_DEFAULT);
            NotificationManager manager =
getSystemService(NotificationManager.class);
            manager.createNotificationChannel(channel);
        }

        notifyBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                NotificationCompat.Builder builder = new
NotificationCompat.Builder(MainActivity.this, "My Notification");
                builder.setContentTitle("My Notification");
                builder.setContentText("This is the notification you
received");

                builder.setAutoCancel(true);
                builder.setSmallIcon(R.drawable.ic_launcher_background);
                builder.setPriority(NotificationCompat.PRIORITY_DEFAULT);
                NotificationManagerCompat managerCompat =
NotificationManagerCompat.from(MainActivity.this);
                managerCompat.notify(1, builder.build());
            }
        });
    }
}

<?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:layout_margin="100dp">

    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"

```

```
        android:layout_height="wrap_content"  
        android:gravity="center"  
        android:layout_marginTop="150dp"  
        android:text="Get notification" />  
</LinearLayout>
```

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