

1.

```
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.Toast;

public class Assinment1 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment1);
        Toast.makeText(this, "onCreate invoked",
Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onStart() {
        super.onStart();
        Toast.makeText(this, "onStart invoked", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onResume() {
        super.onResume();
        Toast.makeText(this, "onResume invoked",
Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onPause() {
        super.onPause();
        Toast.makeText(this, "onPause invoked", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onStop() {
        super.onStop();
        Toast.makeText(this, "onStop invoked", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onRestart() {
        super.onRestart();
        Toast.makeText(this, "onRestart invoked",
Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onDestroy() {
        super.onDestroy();
        Toast.makeText(this, "onDestroy invoked",
Toast.LENGTH_SHORT).show();
    }
}
```

XML code :

```
<?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=".Assinment1">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:text="Demonstrate Activity life Cycle"
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.5"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    </androidx.constraintlayout.widget.ConstraintLayout>

```

2.

JAVA Code :

```

package com.example.madassinments;

import androidx.appcompat.app.AppCompatActivity;

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

public class Assinment2 extends AppCompatActivity {

    EditText e1,e2,e3,e4,et1,et2;
    Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment2);

        et1=findViewById(R.id.num1);
        et2=findViewById(R.id.num2);
        e1=findViewById(R.id.et1);
        e2=findViewById(R.id.et2);
        e3=findViewById(R.id.et3);
        e4=findViewById(R.id.et4);
        b=findViewById(R.id.op);

        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Double
d1=Double.parseDouble(et1.getText().toString().trim());
                Double
d2=Double.parseDouble(et2.getText().toString().trim());

                e1.setText((d1+d2)+"");
                e2.setText((d1-d2)+"");
            }
        });
    }
}

```

```

        e3.setText((d1*d2)+"");
        e4.setText((d1/d2)+"");
    }
});
}
}

```

XML code :

```

<?xml version="1.0" encoding="utf-8"?>
<TableLayout
    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:stretchColumns="1"
    android:padding="30dp"
    tools:context=".Assinment2">

    <TableRow
        android:layout_width="fill_parent"
        android:layout_height="wrap_content">
        <TextView
            android:id="@+id/simpleTextView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_span="2"
            android:text="Tabular layout for Arithmetic op"
            android:textColor="#000"
            android:textStyle="italic"
            android:textSize="25dp" />
        </TableRow>

    <TableRow
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="50dp">

        <EditText
            android:id="@+id/num1"
            android:layout_width="150dp"
            android:layout_height="match_parent"
            android:layout_column="0"
            android:hint="Enter num1" />

        <EditText
            android:id="@+id/num2"
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="50dp"
            android:layout_column="1"
            android:hint="Enter num2"/>
        </TableRow>

    <TableRow
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp">

        <TextView
            android:layout_width="150dp"

```

```

        android:layout_height="match_parent"
        android:layout_column="0"
        android:text="Addition  :"
        android:textColor="@color/black"
        android:paddingTop="8dp"
        android:textSize="25dp"/>
    <EditText
        android:id="@+id/et1"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_column="1"
        android:hint="Solution"
        android:editable="false"/>
</TableRow>
<TableRow
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp">

    <TextView
        android:layout_width="150dp"
        android:layout_height="match_parent"
        android:layout_column="0"
        android:text="Subtraction  :"
        android:textColor="@color/black"
        android:paddingTop="8dp"
        android:textSize="25dp"/>
    <EditText
        android:id="@+id/et2"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_column="1"
        android:hint="Solution"
        android:editable="false"/>
</TableRow>
<TableRow
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp">

    <TextView
        android:layout_width="150dp"
        android:layout_height="match_parent"
        android:layout_column="0"
        android:text="Multiply  :"
        android:textColor="@color/black"
        android:paddingTop="8dp"
        android:textSize="25dp"/>
    <EditText
        android:id="@+id/et3"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_column="1"
        android:hint="Solution"
        android:editable="false"/>
</TableRow>
<TableRow
    android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:layout_marginTop="10dp">

        <TextView
            android:layout_width="150dp"
            android:layout_height="match_parent"
            android:layout_column="0"
            android:text="Division :"
            android:textColor="@color/black"
            android:paddingTop="8dp"
            android:textSize="25dp"/>

        <EditText
            android:id="@+id/et4"
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="50dp"
            android:layout_column="1"
            android:hint="Solution"
            android:editable="false"/>
    </TableRow>
    <TableRow
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp">
        <Button
            android:id="@+id/op"
            android:layout_width="150dp"
            android:layout_height="match_parent"
            android:layout_span="2"
            android:text="Perform Operation"
            android:textSize="20dp"/>
    </TableRow>

</TableLayout>

```

3.

```

package com.example.madassinments;

import androidx.appcompat.app.AppCompatActivity;

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

public class Assinment3 extends AppCompatActivity {

    TextView tv;
    EditText et;
    Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment3);

        tv=findViewById(R.id.tv1);
    }
}

```

```

        et=findViewById(R.id.et);
        b=findViewById(R.id.b);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String ans=et.getText().toString().trim();
                if(ans.isEmpty()){
                    et.setError("Please enter name here");
                    et.requestFocus();
                }else{
                    tv.setText("");
                    tv.setText("Name :- "+ans);
                    et.setText("");
                }
            }
        });
    }
}

```

XML code :

```

<?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"
    android:layout_marginTop="50dp"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    tools:context=".Assinment3">

    <TextView
        android:id="@+id/tv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Name :-"
        android:textSize="20dp"
        android:textStyle="bold"
        android:textColor="@color/black"/>

    <EditText
        android:id="@+id/et"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="160dp"
        android:hint="Enter name here"
        android:textColor="@color/black"
        android:textSize="20dp"/>

    <Button
        android:id="@+id/b"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"
        android:layout_gravity="center"
        android:textSize="20dp"
        android:textStyle="bold"
        android:text="Set Name to TextView"/>

</LinearLayout>

```

4.

JAVA Code :

```
package com.example.deafaulterassinment;

import androidx.appcompat.app.AppCompatActivity;

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

public class MiniCalculator extends AppCompatActivity {

    TextView t;
    EditText e1,e2;
    Button b1,b2,b3,b4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_mini_calculator);

        e1=findViewById(R.id.ed1);
        e2=findViewById(R.id.ed2);
        b1=findViewById(R.id.btn1);
        b2=findViewById(R.id.btn2);
        b3=findViewById(R.id.btn3);
        b4=findViewById(R.id.btn4);
        t=findViewById(R.id.tv);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                t.setText("Add
:"+((Double.parseDouble(String.valueOf(e1.getText())))+(Double.parseDouble(
String.valueOf(e2.getText()))));
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Double ans;
                t.setText("Sub
:"+((Double.parseDouble(String.valueOf(e1.getText())))-
(Double.parseDouble(String.valueOf(e2.getText()))));
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Double ans;
                t.setText("Mul
:"+((Double.parseDouble(String.valueOf(e1.getText())))*(Double.parseDouble(
String.valueOf(e2.getText()))));
            }
        });
        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```

        Double ans;
        t.setText("Div
:"+((Double.parseDouble(String.valueOf(e1.getText())))/(Double.parseDouble(
String.valueOf(e2.getText()))));
    }
    });
}
}

```

XML code :

```

<?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"
    android:layout_margin="20dp"
    tools:context=".MiniCalculator">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_marginTop="10dp"
        android:text="Calculator"
        android:textSize="30sp"
        android:textColor="@color/black"
        android:gravity="center"/>

    <EditText
        android:id="@+id/ed1"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_marginTop="40dp"
        android:hint="Enter value"/>

    <EditText
        android:id="@+id/ed2"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_marginTop="15dp"
        android:hint="Enter value"/>

    <TextView
        android:id="@+id/tv"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_marginTop="20dp"
        android:hint="Ans here"
        android:textSize="30sp"
        android:textColor="@color/black"
        android:gravity="center"/>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp">

        <Button
            android:layout_width="wrap_content"

```



```

        android:layout_height="wrap_content"
        android:id="@+id/btn1"
        android:textSize="20dp"
        android:layout_marginLeft="60dp"
        android:textStyle="bold"
        android:text="Add"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn2"
        android:layout_marginLeft="40dp"
        android:textSize="20dp"
        android:textStyle="bold"
        android:text="Sub"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp">

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn3"
        android:textSize="20dp"
        android:layout_marginLeft="60dp"
        android:textStyle="bold"
        android:text="Mul"/>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn4"
        android:layout_marginLeft="40dp"
        android:textSize="20dp"
        android:textStyle="bold"
        android:text="Div"/>
</LinearLayout>
</LinearLayout>

```

5.

XML code

```

<?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=".Assinment5">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Set onClick Events"
        android:textColor="@color/black"
        android:textSize="30dp"

```

```
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/button1"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">
```

```
</TextView>
```

```
<Button
```

```
    android:id="@+id/button1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="50dp"
    android:layout_marginTop="100dp"
    android:layout_marginRight="50dp"
    android:text="onClick"
    android:textSize="20dp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.505"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">
```

```
</Button>
```

```
<Button
```

```
    android:id="@+id/button2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="50dp"
    android:layout_marginTop="24dp"
    android:layout_marginRight="50dp"
    android:text="onLongClick"
    android:textSize="20dp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.505"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button1">
```

```
</Button>
```

```
<Button
```

```
    android:id="@+id/button3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="50dp"
    android:layout_marginTop="12dp"
    android:layout_marginRight="50dp"
    android:text="onTouch"
    android:textSize="20dp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.505"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button2">
```

```
</Button>
```

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

JAVA Code :

```
package com.example.madassinments;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.MotionEvent;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class Assinment5 extends AppCompatActivity {

    Button b1,b2,b3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment5);

        b1=findViewById(R.id.button1);
        b2=findViewById(R.id.button2);
        b3=findViewById(R.id.button3);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(getApplicationContext(), "onClickListner",
Toast.LENGTH_SHORT).show();
            }
        });

        b1.setOnLongClickListener(new View.OnLongClickListener() {
            @Override
            public boolean onLongClick(View view) {
                Toast.makeText(getApplicationContext(), "longPressed",
Toast.LENGTH_SHORT).show();
                return true;
            }
        });

        b2.setOnLongClickListener(new View.OnLongClickListener() {
            @Override
            public boolean onLongClick(View view) {
                Toast.makeText(getApplicationContext(), "onLongPressed",
Toast.LENGTH_SHORT).show();
                return true;
            }
        });

        b3.setOnTouchListener(new View.OnTouchListener() {
            @Override
            public boolean onTouch(View view, MotionEvent motionEvent) {
                Toast.makeText(getApplicationContext(), "onTouchListener",
Toast.LENGTH_SHORT).show();
                return true;
            }
        });
    }
}
```

```

    }) ;

}
}

```

6.

XML code :

```

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

<!--Relative Layout Is Used-->

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context=".Assinment6">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:text="Student Enrollement"
        android:textAppearance="?android:attr/textAppearanceLarge" />

    <TextView
        android:id="@+id/userName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="110dp"
        android:layout_marginLeft="30dp"
        android:text="Name:"
        android:textColor="#000000"
        android:textSize="25sp" />

    <TextView
        android:id="@+id/password"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/userName"
        android:layout_marginTop="25dp"

        android:layout_marginLeft="30dp"
        android:text="PRN : "
        android:textColor="#000000"
        android:textSize="25sp" />

    <EditText
        android:id="@+id/edt_userName"
        android:layout_width="fill_parent"
        android:layout_height="40dp"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="100dp"
        android:layout_toRightOf="@+id/userName"
        android:hint="User Name" />

    <EditText
        android:layout_width="fill_parent"

```

```

        android:layout_height="40dp"
        android:layout_below="@+id/edt_userName"
        android:layout_centerVertical="true"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="20dp"
        android:layout_toRightOf="@+id/password"
        android:hint="Password" />
    <Button
        android:id="@+id/btnLogin"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/password"
        android:layout_marginStart="20dp"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="20dp"
        android:text="Login"
        android:textStyle="bold"
        android:layout_margin="30dp"/>
</RelativeLayout>

```

7.

XML code :

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.appcompat.widget.LinearLayoutCompat
    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=".Assinment7"
    android:orientation="vertical">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="40dp"
        android:layout_marginTop="10dp"
        android:text="implicit intent"
        android:textSize="30dp"
        android:gravity="center"
        android:layout_marginLeft="100dp"
        android:textStyle="bold"
        android:textColor="@color/black"/>

    <EditText
        android:id="@+id/message"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter message"
        android:layout_marginTop="20dp"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"/>

    <EditText
        android:id="@+id/number"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter number"
        android:layout_marginTop="20dp"
        android:layout_marginLeft="20dp"

```

```

        android:layout_marginRight="20dp"/>
<EditText
    android:id="@+id/location"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter longitude,latitude"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"/>
<EditText
    android:id="@+id/url"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter url"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"/>

<Button
    android:id="@+id/sendMessage"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="120dp"
    android:layout_marginRight="120dp"
    android:text="Send MessAGE"/>
<Button
    android:id="@+id/sendCall"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="120dp"
    android:layout_marginRight="120dp"
    android:text="Call"/>
<Button
    android:id="@+id/sendLocation"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="100dp"
    android:layout_marginRight="100dp"
    android:text="Locate Location"/>
<Button
    android:id="@+id/search"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="100dp"
    android:layout_marginRight="100dp"
    android:text="search"/>
<Button
    android:id="@+id/showContacts"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="100dp"
    android:layout_marginRight="100dp"
    android:text="show Saved contacts"/>

```

```

</androidx.appcompat.widget.LinearLayoutCompat>

```

Java Code :

```
package com.example.madassinments;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class Assinment7 extends AppCompatActivity {

    Button btnCall, btnMessage, btnLocation, btnSearch;
    EditText message, number, location, url;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment7);

        btnCall=findViewById(R.id.sendCall);
        btnMessage=findViewById(R.id.sendMessage);
        btnLocation=findViewById(R.id.sendLocation);
        btnSearch=findViewById(R.id.search);
        url=findViewById(R.id.url);
        number=findViewById(R.id.number);
        location=findViewById(R.id.location);
        message=findViewById(R.id.message);

        btnCall.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                try {
                    String phoneNo = number.getText().toString();
                    Intent i = new Intent(Intent.ACTION_DIAL);
                    i.setData(Uri.parse("tel:+91" + phoneNo));
                    startActivity(i);
                } catch (Exception e) {
                    Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
                }
            }
        });

        btnMessage.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                try {
                    SmsManager sms = SmsManager.getDefault();
                    sms.sendTextMessage(number.getText().toString(), null,
message.getText().toString(), null, null);

                    Toast.makeText(getApplicationContext(), "Message Sent
successfully!",
                                Toast.LENGTH_LONG).show();
                }
            }
        });
    }
}
```

```

        }catch(Exception e){
            Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
        }
    }
});

    btnLocation.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            try{

                Intent intent = new Intent(Intent.ACTION_VIEW);

intent.setData(Uri.parse("geo:"+location.getText().toString().trim()));
                startActivity(intent);

            }catch(Exception e){
                Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
            }
        }
    });

    btnSearch.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            try{

                Intent intent = new Intent(Intent.ACTION_VIEW);

intent.setData(Uri.parse("https://" +url.getText().toString().trim()));
                startActivity(intent);

            }catch(Exception e){
                Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
            }
        }
    });
}
}

```

8.

XML Code:

```

<?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=".Assinment8">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"

```



```
        android:text="Kilometer To meter"
        android:textSize="30dp"
        android:textStyle="italic"
        android:textColor="@color/black"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="320dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

<LinearLayout

```
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:orientation="horizontal"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="40dp">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="KM : "
        android:textSize="25dp"
        android:textStyle="bold"
        android:textColor="@color/black"/>
```

<EditText

```
    android:layout_width="200dp"
    android:layout_height="50dp"
    android:id="@+id/editText1"
    android:layout_marginLeft="20dp"/>
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:orientation="horizontal"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="20dp">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="M : "
        android:textSize="25dp"
        android:textStyle="bold"
        android:textColor="@color/black"/>

    <EditText
```

<EditText

```
        android:layout_width="200dp"
        android:layout_height="50dp"
        android:id="@+id/editText2"
        android:layout_marginLeft="20dp"/>
```

</LinearLayout>

<LinearLayout

```
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:orientation="horizontal"
    android:layout_marginLeft="20dp"
```

```

        android:layout_marginTop="20dp">

        <Button
            android:id="@+id/kmtom"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Km to M"
            android:textStyle="bold"
            android:textSize="15dp"
            android:layout_marginLeft="30dp"/>

        <Button
            android:id="@+id/mtokm"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="M to Km"
            android:textStyle="bold"
            android:textSize="15dp"
            android:layout_marginLeft="30dp"/>

    </LinearLayout>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Clear"
        android:layout_marginLeft="120dp"
        android:id="@+id/clear"/>

</LinearLayout>

```

Java Code :

```

package com.example.madassinments;

import androidx.appcompat.app.AppCompatActivity;

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

public class Assinment8 extends AppCompatActivity {

    Button btn1,btn2,btn3;
    EditText edt,ed2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_assinment8);

        btn1=findViewById(R.id.kmtom);
        btn2=findViewById(R.id.mtokm);
        edt=findViewById(R.id.editText1);
        ed2=findViewById(R.id.editText2);
        btn3=findViewById(R.id.clear);

        btn3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

```

```

        edt.setText("");
        ed2.setText("");
    }
});

btn1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        double temp =
Double.parseDouble(edt.getText().toString().trim());
        //int temp
=Integer.parseInt(edt.getText().toString().trim());
        ed2.setText((temp*1000)+"");
    }
});

btn2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        double temp =
Double.parseDouble(ed2.getText().toString().trim());
        //int temp
=Integer.parseInt(edt.getText().toString().trim());
        edt.setText((temp/1000)+"");
    }
});
}
}

```

13.

XML Code :

```

<?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=".Practical5">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Audio Player!"
        android:textColor="@color/black"
        android:textSize="30sp"
        android:textStyle="bold"
        android:layout_gravity="center"
        android:layout_marginTop="350dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

```

```

        android:layout_height="wrap_content"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="50dp"
        android:layout_marginRight="50dp"
        android:text="Play"
        android:textSize="25dp"
        android:textStyle="bold">

</Button>
<Button
    android:id="@+id/pause"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="50dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="50dp"
    android:text="pause"
    android:textSize="25dp"
    android:textStyle="bold">

</Button>
<Button
    android:id="@+id/stop"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="50dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="50dp"
    android:text="stop"
    android:textSize="25dp"
    android:textStyle="bold">

</Button>

</LinearLayout>

```

Java Code :

```

package com.example.allmadpracticals;

import androidx.appcompat.app.AppCompatActivity;

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

public class Practical5 extends AppCompatActivity {

    Button play,pause,stop;
    MediaPlayer mediaPlayer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_practical5);

        play=findViewById(R.id.play);
        pause=findViewById(R.id.pause);
        stop=findViewById(R.id.stop);

        mediaPlayer=

```

```

MediaPlayer.create(getApplicationContext(), R.raw.mere);

        play.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(!mediaPlayer.isPlaying()){
                    mediaPlayer=
MediaPlayer.create(getApplicationContext(), R.raw.mere);}
                    mediaPlayer.start();
                }
            });

        pause.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                mediaPlayer.pause();
            }
        });

        stop.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                mediaPlayer.stop();
            }
        });
    }
}

```

14.

XML Code :

```

<?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=".Practical6">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Video Player"
        android:gravity="center"
        android:layout_marginLeft="120dp"
        android:textStyle="italic"
        android:textSize="30dp"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <VideoView
        android:id="@+id/videoview"
        android:layout_width="match_parent"
        android:layout_height="200dp"

```

```

        android:layout_marginTop="30dp"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
    ></VideoView>

    <Button
        android:id="@+id/playbutton"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Play"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:layout_marginLeft="120dp"
        android:layout_marginRight="120dp">

    </Button>
</LinearLayout>

```

Java Code :

```

package com.example.allmadpracticals;

import androidx.appcompat.app.AppCompatActivity;

import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.MediaController;
import android.widget.Toast;
import android.widget.VideoView;

public class Practical6 extends AppCompatActivity {

    VideoView vv ;
    Button btnPlay;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_practical6);

        vv=findViewById(R.id.videoview);
        btnPlay=findViewById(R.id.playbutton);

        MediaController mediaController = new MediaController(this);

        btnPlay.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                try {
                    String
vp="android.resource://com.example.allmadpracticals/"+R.raw.squirrel;
                    Uri uri = Uri.parse(vp);

                    vv.setVideoURI(uri);
                    vv.setMediaController(mediaController);
                    mediaController.setAnchorView(vv);
                    vv.start();
                } catch (Exception e) {

```

```

        Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
    }
}
});
}
}

```

15.

XML code :

```

<?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="Capture Image!"
        android:textSize="30dp"
        android:textStyle="italic"
        android:layout_gravity="center"
        android:layout_marginTop="30dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="500dp"
        android:layout_marginTop="30dp"
        android:layout_margin="20dp"
        android:src="@drawable/ic_baseline_image_24"/>

    <Button
        android:id="@+id/btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Capture image"
        android:layout_marginTop="20dp"
        android:layout_gravity="center"
        android:textSize="20dp"/>

</LinearLayout>

```

JAVa Code :

```

package com.example.captureimage;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;

```

```

import android.graphics.Bitmap;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {

    static final int REQUEST_IMAGE_CAPTURE = 2;
    ImageView imageView;
    Button btn1;

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

        imageView=findViewById(R.id.imageView);
        btn1=findViewById(R.id.btn);
        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent cmintent = new
Intent(MediaStore.ACTION_IMAGE_CAPTURE);
                startActivityForResult(cmintent, REQUEST_IMAGE_CAPTURE);
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode,
@Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == REQUEST_IMAGE_CAPTURE) {
            Bitmap photo = (Bitmap) data.getExtras().get("data");
            imageView.setImageBitmap(photo);
        }
    }
}

```

manifest file :

```
<uses-permission android:name="android.permission.CAMERA" />
```

16.

XML Code :

```

<?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=".Practical8">

```



```

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Send Message"
    android:textSize="30dp"
    android:layout_gravity="center"
    android:layout_margin="20dp"
    android:textStyle="italic"
    android:textColor="@color/black"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/inputNumber2"
    android:layout_width="match_parent"
    android:layout_height="40dp"
    android:hint="7149194236"
    android:layout_marginTop="5dp"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"/>

<EditText
    android:id="@+id/inputMessage"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:layout_width="match_parent"
    android:layout_height="100dp"
    android:hint="Enter message here"
    android:inputType="text|textMultiLine" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_margin="20dp">
    <ImageView
        android:layout_width="40dp"
        android:layout_height="40dp"
        android:src="@drawable/ic_baseline_message_24"/>
    <Button
        android:id="@+id/btnmessage"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Message"
        android:textSize="20dp"
        android:textStyle="bold"/>
</LinearLayout>

</LinearLayout>

```

JAVA Code :

```

package com.example.allmadpracticals;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

```

```

import android.telephony.SmsManager;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class Practical8 extends AppCompatActivity {

    Button btnMessage;
    EditText numberMessage,message;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_practical8);

        btnMessage=findViewById(R.id.btnmessage);
        numberMessage=findViewById(R.id.inputNumber2);
        message=findViewById(R.id.inputMessage);
        btnMessage.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                SmsManager sm = SmsManager.getDefault();

                sm.sendTextMessage(numberMessage.getText().toString().trim(),null,
                                message.getText().toString().trim(),null,null);
                Toast.makeText(getApplicationContext(),"Message Sent
                Successfully", Toast.LENGTH_SHORT).show();

            }
        });
    }
}

```

17.

XML CODE :

```

<?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=".Practical9">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Text To Speech!"
        android:layout_gravity="center"
        android:layout_margin="20dp"
        android:textStyle="italic"
        android:textSize="30dp"
        android:textColor="@color/black" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter text here"

```

```

        android:layout_marginTop="30dp"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:textStyle="italic"
        android:textSize="25dp"
        android:textColor="@color/black" />
    <EditText
        android:id="@+id/inputtext"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:layout_marginTop="5dp"
        android:layout_width="match_parent"
        android:layout_height="100dp"
        android:hint="Enter message here"
        android:inputType="text|textMultiLine" />
    <Button
        android:id="@+id/btnn"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:layout_marginTop="5dp"
        android:textSize="30dp"
        android:text="Go..." />
</LinearLayout>

```

Java Code :

```

package com.example.allmadpracticals;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import java.util.Locale;

public class Practical9 extends AppCompatActivity {

    EditText text;
    Button btn;
    TextToSpeech textToSpeech;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_practical9);

        text=findViewById(R.id.inputtext);
        btn=findViewById(R.id.btnn);

        textToSpeech=new TextToSpeech(getApplicationContext(), new
        TextToSpeech.OnInitListener() {
            @Override
            public void onInit(int i) {

```

```

        if (i != TextToSpeech.ERROR) {
            textToSpeech.setLanguage(Locale.ENGLISH);
        }
    }
});
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        try {
            textToSpeech.speak(text.getText().toString().trim(),
TextToSpeech.QUEUE_FLUSH, null);
            Toast.makeText(getApplicationContext(), "Successfully
speaking tex", Toast.LENGTH_SHORT).show();
        } catch (Exception e) {
            Toast.makeText(getApplicationContext(), e.getMessage(),
Toast.LENGTH_SHORT).show();
        }
    }
});
}
}
}

```

18.

XML Code :

```

<?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=".Practical10">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Send Call"
        android:textSize="40dp"
        android:layout_gravity="center"
        android:layout_margin="20dp"
        android:textStyle="italic"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/inputNumber"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:hint="7149194236"
        android:layout_margin="30dp"/>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```

        android:orientation="horizontal"
        android:layout_margin="20dp">
        <ImageView
            android:layout_width="40dp"
            android:layout_height="40dp"
            android:src="@drawable/ic_baseline_call_24"/>
        <Button
            android:id="@+id/btnCall"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Call"
            android:textSize="20dp"
            android:textStyle="bold"/>
    </LinearLayout>
</LinearLayout>

```

Java Code :

```

package com.example.allmadpracticals;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import java.util.Locale;

public class Practical10 extends AppCompatActivity {

    Button btnCall;
    EditText getNumber;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_practical10);

        btnCall=findViewById(R.id.btnCall);
        getNumber=findViewById(R.id.inputNumber);
        btnCall.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                try {
                    Intent i = new Intent(Intent.ACTION_CALL);
                    i.setData(Uri.parse("tel:+91"+getNumber.getText().toString()));
                    startActivity(i);
                } catch (Exception e) {
                    Toast.makeText(getApplicationContext(), e.getMessage(),
                        Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}

```

```
}  
}
```

19.20.21 nahiye