

PRACTICAL-4.3

AIM:

Create a simple application to show the use of ALERT DIALOG.

PROGRAM CODE:

- **Activity_main.xml:**

```
<?xml                                version="1.0"                                encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/parth_patel_19dcs098"
        android:textColor="#FF5722"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintLeft_toLeftOf="parent"
```

```

    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.205"
    />

```

```

<Button

```

```

    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#F44336"
    android:text="@string/close_app"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.518"
    tools:ignore="TextContrastCheck"
    />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

- **Strings.xml:**

```

<resources>
    <string name="app_name">AlertDialog</string>
    <string name="dialog_message">This is an Alert Dialog</string>
    <string name="dialog_title">19DCS098-Parth Patel</string>
    <string name="parth_patel_19dcs098">PARTH PATEL-19DCS098!</string>
    <string name="close_app">Close app</string>
</resources>

```

- **MainActivity.java:**

```
package com.parthnpatel.alertdialog;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.app.AlertDialog;
import android.widget.Toast;
import android.content.DialogInterface;

public class MainActivity extends AppCompatActivity {

    private Button closeButton;
    private AlertDialog.Builder builder;

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

        closeButton = (Button) findViewById(R.id.button);
        builder = new AlertDialog.Builder(this);
        closeButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                builder.setMessage(R.string.dialog_message) .setTitle(R.string.dialog_title);
```

```
builder.setMessage("DO YOU WANT TO CLOSE THE APPLICATION ?")
    .setCancelable(false)
    .setPositiveButton("Yes", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {
            finish();
            Toast.makeText(getApplicationContext(),"ACTION EXECUTED",
                Toast.LENGTH_SHORT).show();
        }
    })
    .setNegativeButton("No", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {

            dialog.cancel();
            Toast.makeText(getApplicationContext(),"ACTION TERMINATED",
                Toast.LENGTH_SHORT).show();
        }
    });

AlertDialog alert = builder.create();

alert.setTitle("Alert Dialog");
alert.show();
}
});
}
}
```

OUTPUT:





