

Expt 5th

```
<?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:id="@+id/main"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/btn_alert"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="show alert dialog" />

    <Button
        android:id="@+id/btn_date"
        android:text="show date picker"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <Button
        android:id="@+id/btn_popup"
        android:text="show popup menu"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
```

</LinearLayout>

Java

```
package com.example.a55;
```

```
import android.app.*;
```

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

```
import android.view.*;
```

```
import android.widget.*;
```

```
import androidx.activity.EdgeToEdge;
```

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

```
import androidx.core.graphics.Insets;
```

```
import androidx.core.view.ViewCompat;
```

```
import androidx.core.view.WindowInsetsCompat;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    Button btnAlert,btnDate,btnPopup;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        EdgeToEdge.enable(this);
```

```
        setContentView(R.layout.activity_main);
```

```
        btnAlert = findViewById(R.id.btn_alert);
```

```
btnDate = findViewById(R.id.btn_date);  
btnPopup = findViewById(R.id.btn_popup);
```

```
btnAlert.setOnClickListener(v -> {  
    new AlertDialog.Builder(this)  
        .setTitle("Alert")  
        .setMessage("this is alert dialog")  
        .setPositiveButton("ok",null)  
        .setNegativeButton("cancel",null)  
        .show();  
});
```

```
btnDate.setOnClickListener(v -> new DatePickerDialog(this).show());
```

```
btnPopup.setOnClickListener(v -> {  
    PopupMenu popup = new PopupMenu(this,v);  
    popup.getMenu().add("option 1");  
    popup.getMenu().add("option 2");  
    popup.getMenu().add("option 3");  
    popup.show();  
});
```

```
}
```

```
}
```



