

MainActivity.java

```
package com.example.lab11;

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

import android.app.Notification;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {
    Button btNotification;

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

        btNotification = findViewById(R.id.bt_notification);

        btNotification.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String message = "Time to travel 6 hours 35 mins";
                NotificationCompat.Builder builder = new NotificationCompat.Builder(
                    MainActivity.this
                )
                    .setSmallIcon(R.drawable.ic_message)
                    .setContentTitle("New Notification")
                    .setContentText(message)
                    .setAutoCancel(true);

                Intent intent = new Intent(MainActivity.this,
                    NotificationActivity.class);
                intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
```

```

        intent.putExtra("message",message);

        PendingIntent pendingIntent =
PendingIntent.getActivity(MainActivity.this,0,intent,PendingIntent.FLAG_UPDATE_
CURRENT);
        builder.setContentIntent(pendingIntent);

        NotificationManager notificationManager =
(NotificationManager)getSystemService(
            Context.NOTIFICATION_SERVICE
        );
        notificationManager.notify(0,builder.build());
    }
    });
}
}

```

activity_main.xml

```

<?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">

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/bt_notification"
        android:text="notification"
        android:layout_centerInParent="true"

        />

</RelativeLayout>

```

NotificationActivity.java

```

package com.example.lab11;

import androidx.appcompat.app.AppCompatActivity;

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

```

```
public class NotificationActivity extends AppCompatActivity {
```

```
    @Override
```

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

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

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

```
        TextView textView = findViewById(R.id.text_view);
```

```
        String message = getIntent().getStringExtra("message");
```

```
        textView.setText(message);
```

```
    }
```

```
}
```

activity_notification.xml

```
<?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=".NotificationActivity">
```

```
    <TextView
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="match_parent"
```

```
        android:id="@+id/text_view"
```

```
        android:textSize="25sp"
```

```
        android:gravity="center"
```

```
    />
```

```
</RelativeLayout>
```

OUTPUT:





