

Name : Garvit Bansal  
Roll no : 194061  
University Rollno : 19078570015  
Course : Bsc. Computer Science (Hons.)  
Sem : 4<sup>th</sup>  
Year : 2<sup>nd</sup>

## MainActivity.java

```
package com.example.practicaltest;

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

import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {
    NotificationChannel channel;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    @RequiresApi(api = Build.VERSION_CODES.O)
    public void onclick(View V)
    {
        if(Build.VERSION.SDK_INT >= Build.VERSION_CODES.O)
            channel = new NotificationChannel("MyNotification", "MyNotification",
NotificationManager.IMPORTANCE_DEFAULT);
        NotificationManager manager = getSystemService(NotificationManager.class);
        manager.createNotificationChannel(channel);
        NotificationCompat.Builder builder = new NotificationCompat.Builder(this,
"MyNotification")
            .setContentTitle("Hello!!")
            .setSmallIcon(R.drawable.ic_baseline_sms_24)
            .setContentText("Here's a message")
            .setAutoCancel(true);
        Intent notificationIntent = new Intent(this, SecondActivity.class);
        PendingIntent intent = PendingIntent.getActivity(this, 0,
notificationIntent, 0);
        builder.setContentIntent(intent);
        NotificationManagerCompat manager1 = NotificationManagerCompat.from(this);
        manager1.notify(999, builder.build());
    }
}
```

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## SecondActivity.java

```
package com.example.practicaltest;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

public class SecondActivity extends AppCompatActivity {

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

## 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">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:onClick="onclick"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

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## activity\_second.xml

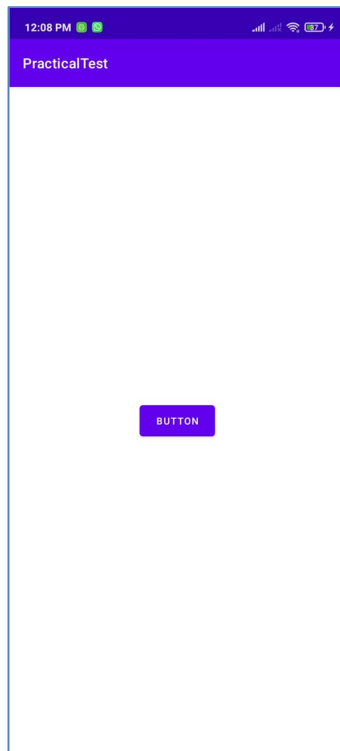
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"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

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello User"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

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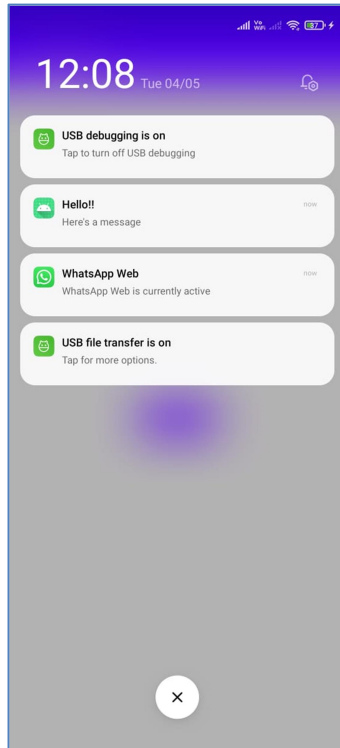
## Screenshots

### First Activity



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On clicking button



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On clicking notification

