**Pract 8th B:**

**Main Manifest.xml**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools">

<uses-permission android:name="android.permission.ACCESS\_NOTIFICATION\_POLICY"/>

<uses-permission android:name="android.permission.POST\_NOTIFICATIONS" />

<uses-permission android:name="android.permission.POST\_NOTIFICATIONS" />

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/Theme.Prac8b"

tools:targetApi="31">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

**Main Activity.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"

android:padding="16dp"

tools:context=".MainActivity">

<Button

android:id="@+id/btn\_non\_clickable"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="non clickable notification"

android:layout\_marginBottom="16dp"/>

<Button

android:id="@+id/btn\_clickable"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Clickable notification"

android:layout\_below="@+id/btn\_non\_clickable"/>

</RelativeLayout>

**Main Activity.kt**

package com.example.prac8b

import android.app.NotificationChannel

import android.app.NotificationManager

import android.app.PendingIntent

import android.content.Context

import android.content.Intent

import android.graphics.Color

import android.os.Build

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.widget.Button

import androidx.core.app.NotificationCompat

class MainActivity : AppCompatActivity() {

private lateinit var nonClickableNotificationManager: NotificationManager

private lateinit var clickableNotificationManager: NotificationManager

private var CHANNEL\_ID="my\_channel\_01"

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val btnnonclick = findViewById<Button>(R.id.btn\_non\_clickable)

val btnclick = findViewById<Button>(R.id.btn\_clickable)

nonClickableNotificationManager=getSystemService(Context.NOTIFICATION\_SERVICE)as NotificationManager

clickableNotificationManager=getSystemService(Context.NOTIFICATION\_SERVICE)as NotificationManager

if(Build.VERSION.SDK\_INT>=Build.VERSION\_CODES.O){

val channel=NotificationChannel(CHANNEL\_ID,"My Channel",NotificationManager.IMPORTANCE\_HIGH)

channel.description="My channel Description"

channel.lightColor=Color.RED

nonClickableNotificationManager.createNotificationChannel(channel)

clickableNotificationManager.createNotificationChannel(channel)

}

btnnonclick.setOnClickListener {

val notification=createNonClickableNotification()

nonClickableNotificationManager.notify(0,notification.build())

}

btnclick.setOnClickListener {

val notification=createClickableNotification()

clickableNotificationManager.notify(1,notification.build())

}

}

private fun createNonClickableNotification():NotificationCompat.Builder{

return NotificationCompat.Builder(this,CHANNEL\_ID)

.setSmallIcon(R.drawable.ic\_launcher\_foreground)

.setContentTitle("Non Clickable Notification")

.setContentText("This is non-clickable notification")

.setAutoCancel(true)

}

private fun createClickableNotification():NotificationCompat.Builder{

val intent= Intent(this,MainActivity::class.java)

intent.addFlags(Intent.FLAG\_ACTIVITY\_CLEAR\_TOP or Intent.FLAG\_ACTIVITY\_SINGLE\_TOP)

val pendingIntent=PendingIntent.getActivity(this,1,intent,PendingIntent.FLAG\_IMMUTABLE

or PendingIntent.FLAG\_UPDATE\_CURRENT)

return NotificationCompat.Builder(this,CHANNEL\_ID)

.setSmallIcon(R.drawable.ic\_launcher\_foreground)

.setContentTitle("Clickable Notification")

.setContentText("This is clickable notification")

.setAutoCancel(true)

.setContentIntent(pendingIntent)

}

}