**App 2: Develop an Android app to use Toasts & Snackbar**

**MainActivity.java:**

package com.example.toastandsnackbar;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.Toast;

import com.google.android.material.snackbar.Snackbar;

public class MainActivity extends AppCompatActivity

{

Button toastButton;

Button snackbarButton;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

toastButton = findViewById(R.id.toast);

toastButton.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View view)

{

Toast.makeText(MainActivity.this,"this is toast.",Toast.LENGTH\_LONG).show();

}

});

snackbarButton = findViewById(R.id.snackbar);

snackbarButton.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View view)

{

Snackbar.make(findViewById(R.id.rootlayout) ,"this is Snackbar.",Snackbar.LENGTH\_LONG).show();

}

});

}

}

**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:id="@+id/rootlayout"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="273dp"

android:layout\_height="31dp"

android:text="Toast And Snackbar"

android:textAlignment="center"

android:textSize="24sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.586"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.282" />

<Button

android:id="@+id/toast"

android:layout\_width="267dp"

android:layout\_height="47dp"

android:text="Toast"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.478" />

<Button

android:id="@+id/snackbar"

android:layout\_width="271dp"

android:layout\_height="45dp"

android:text="Sanckbar"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.492"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/toast"

app:layout\_constraintVertical\_bias="0.205" />

</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT:**

