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

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

android:orientation="vertical"

android:padding="20dp"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/questionText"

android:text="Question"

android:textSize="20sp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<RadioGroup

android:id="@+id/optionGroup"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<RadioButton

android:id="@+id/option1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Mumbai" />

<RadioButton

android:id="@+id/option2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Delhi" />

<RadioButton

android:id="@+id/option3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Kolkata" />

</RadioGroup>

<Button

android:id="@+id/submitButton"

android:text="Submit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView

android:id="@+id/scoreText"

android:text=""

android:textSize="18sp"

android:layout\_marginTop="20dp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</LinearLayout>

Main\_Activity.java

package com.example.studentquiz;

import android.os.Bundle;

import android.view.View;

import android.widget.\*;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

TextView questionText, scoreText;

RadioGroup optionGroup;

RadioButton option1, option2, option3;

Button submitButton;

int score = 0;

boolean answered = false;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

questionText = findViewById(R.id.questionText);

scoreText = findViewById(R.id.scoreText);

optionGroup = findViewById(R.id.optionGroup);

option1 = findViewById(R.id.option1);

option2 = findViewById(R.id.option2);

option3 = findViewById(R.id.option3);

submitButton = findViewById(R.id.submitButton);

questionText.setText("What is the capital of India?");

option1.setText("Mumbai");

option2.setText("Delhi"); // correct answer

option3.setText("Kolkata");

submitButton.setOnClickListener(view -> {

if (answered) return;

int selectedId = optionGroup.getCheckedRadioButtonId();

if (selectedId == -1) {

Toast.makeText(this, "Please select an answer", Toast.LENGTH\_SHORT).show();

return;

}

RadioButton selected = findViewById(selectedId);

if (selected.getText().toString().equals("Delhi")) {

score = 1;

}

scoreText.setText("Your Score: " + score + "/1");

answered = true;

});

}

}