**xml file**

**<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp">  
  
 <TextView  
 android:id="@+id/questionText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Question"  
 android:textSize="18sp"  
 android:layout\_marginBottom="16dp" />  
  
 <RadioGroup  
 android:id="@+id/optionsGroup"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <RadioButton  
 android:id="@+id/option1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Option 1" />  
  
 <RadioButton  
 android:id="@+id/option2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Option 2" />  
  
 <RadioButton  
 android:id="@+id/option3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Option 3" />  
  
 <RadioButton  
 android:id="@+id/option4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Option 4" />  
 </RadioGroup>  
  
 <Button  
 android:id="@+id/submitButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"  
 android:layout\_marginTop="16dp"  
 android:layout\_gravity="center\_horizontal" />  
  
 <TextView  
 android:id="@+id/scoreText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Score"  
 android:textSize="16sp"  
 android:visibility="gone"  
 android:layout\_marginTop="16dp"  
 android:gravity="center" />  
</LinearLayout>**

**Main Activity.java**

**package com.example.practice1;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.\*;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 private String[] questions = {  
 "What is the capital of France?",  
 "Which planet is known as the Red Planet?",  
 "Who wrote 'Hamlet'?"  
 };  
 private String[][] options = {  
 {"Berlin", "Madrid", "Paris", "Rome"},  
 {"Earth", "Mars", "Jupiter", "Venus"},  
 {"Charles Dickens", "William Shakespeare", "J.K. Rowling", "Jane Austen"}  
 };  
 private int[] correctAnswers = {2, 1, 1};  
 private int currentQuestion = 0, score = 0;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 TextView questionText = findViewById(R.id.*questionText*);  
 RadioGroup optionsGroup = findViewById(R.id.*optionsGroup*);  
 Button submitButton = findViewById(R.id.*submitButton*);  
 TextView scoreText = findViewById(R.id.*scoreText*);  
  
 loadQuestion(questionText, optionsGroup);  
  
 submitButton.setOnClickListener(v -> {  
 int selectedOption = optionsGroup.indexOfChild(findViewById(optionsGroup.getCheckedRadioButtonId()));  
 if (selectedOption == -1) {  
 Toast.*makeText*(this, "Please select an answer!", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
 if (selectedOption == correctAnswers[currentQuestion]) score++;  
 if (++currentQuestion < questions.length) {  
 loadQuestion(questionText, optionsGroup);  
 } else {  
 questionText.setText("Quiz Over! Your Score: " + score + "/" + questions.length);  
 optionsGroup.setVisibility(View.*GONE*);  
 submitButton.setVisibility(View.*GONE*);  
 scoreText.setText("Final Score: " + score + "/" + questions.length);  
 scoreText.setVisibility(View.*VISIBLE*);  
 }  
 });  
 }  
  
 private void loadQuestion(TextView questionText, RadioGroup optionsGroup) {  
 questionText.setText(questions[currentQuestion]);  
 ((RadioButton) optionsGroup.getChildAt(0)).setText(options[currentQuestion][0]);  
 ((RadioButton) optionsGroup.getChildAt(1)).setText(options[currentQuestion][1]);  
 ((RadioButton) optionsGroup.getChildAt(2)).setText(options[currentQuestion][2]);  
 ((RadioButton) optionsGroup.getChildAt(3)).setText(options[currentQuestion][3]);  
 optionsGroup.clearCheck();  
 }  
}**