**QuizApplication4**

**MainActivity**

package com.example.neil.quizapplication;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class MainActivity extends AppCompatActivity {  
  
 public Button but1;  
  
 public void init() {  
 but1 = (Button) findViewById(R.id.but1);  
 but1.setOnClickListener(new View.OnClickListener() {  
 @Override  
  
 public void onClick(View v) {  
 Intent toy = new Intent(MainActivity.this,Main3Activity.class);  
  
 startActivity(toy);  
 }  
 });  
 }  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 init();  
 }  
}

Main3Activity

package com.example.neil.quizapplication;  
  
 import android.app.AlertDialog;  
 import android.content.DialogInterface;  
 import android.content.Intent;  
 import android.support.v7.app.AppCompatActivity;  
 import android.os.Bundle;  
 import android.view.View;  
 import android.widget.Button;  
 import android.widget.TextView;  
  
 import java.util.Random;  
  
public class Main3Activity extends AppCompatActivity {  
  
 Button answer1, answer2, answer3, answer4;  
  
 TextView score, question;  
  
 private Questions mQuestions = new Questions();  
  
 private String mAnswer;  
 private int mScore = 0;  
 private int mQuestionsLenght = mQuestions.mQuestions.length;  
  
 Random r;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main3);  
  
 r = new Random();  
  
 answer1 = (Button) findViewById(R.id.answer1);  
 answer2 = (Button) findViewById(R.id.answer2);  
 answer3 = (Button) findViewById(R.id.answer3);  
 answer4 = (Button) findViewById(R.id.answer4);  
  
 score = (TextView) findViewById(R.id.score);  
 question = (TextView) findViewById(R.id.question);  
  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 answer1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer1.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer2.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer3.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer4.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer4.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 }  
  
 private void updateQuestion(int num) {  
 question.setText(mQuestions.getQuestions(num));  
 answer1.setText(mQuestions.getChoice1(num));  
 answer2.setText(mQuestions.getChoice2(num));  
 answer3.setText(mQuestions.getChoice3(num));  
 answer4.setText(mQuestions.getChoice4(num));  
  
 mAnswer = mQuestions.getCorrectAnswer(num);  
 }  
  
 private void gameOver() {  
 AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(Main3Activity.this);  
 alertDialogBuilder  
 .setMessage("Game Over! Your score is " + mScore + " points.")  
 .setCancelable(false)  
 .setPositiveButton("NEW GAME",  
 new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 startActivity(new Intent(getApplicationContext(), MainActivity.class));  
 }  
 })  
 .setNegativeButton("EXIT",  
 new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 finish();  
 }  
 });  
 AlertDialog alertDialog = alertDialogBuilder.create();  
 alertDialog.show();  
 }  
}

Questions

package com.example.neil.quizapplication;  
  
public class Questions {  
  
 public String mQuestions[] = {  
 "Which is the first planet in the Solar System?",  
 "Which is the second planet in the solar System?",  
 "Which is the third planet in the Solar System?",  
 "which is the fourth planet in the Solar System?",  
 "Which is fifth planet in the Solar System?",  
 "Susie needs 13 ballons. She already has 4 balloons. How many more balloons does she need?",  
 "Order these numbers from lowest to highest 12, 25, 18, 23, 14",  
 "My book has 28 pages. I've read 23 pages. How many pages are left to read?",  
 "What is the sum of 5+7",  
 "Which adds up to 12?",  
 "Find a rhyming word for SEA",  
 "What are the colors of the flag?",  
 "The largest 2-digit number",  
  
 };  
 public String[][] mChoices = {  
 {"mercury", "Venus", "Mars"},  
 {"Jupiter", "Venus", "Earth", "Neptune"},  
 {"Earth", "Jupiter", "Pluto", "Venus"},  
 {"Jupiter", "Saturn", "Mars", "Earth"},  
 {"Saturn", "Jupiter", "Venus", "Mars"},  
 {"5", "9", "8", "2"},  
 {"23,14,18,25,12", "25,23,18,14,12", "12,14,18,23,25", "14,12,18,23,25"},  
 {"6", "2", "4", "5"},  
 {"10", "12", "9", "13"},  
 {"6+6", "5+7", "10+2", "All of the above"},  
 {"Key", "Say", "Cram", "Ya"},  
 {"Red, White", "Red, White, Yellow", "Red, White, Yellow, Blue", "Red, Yellow, Black, Pink"},  
 {"999", "10", "99", "49"},  
  
 };  
  
 private String mCorrectAnswers[] = {"Mercury", "Venus", "Earth", "Mars", "Jupiter", "9", "12,14,18,23,25", "5", "12", "6+6", "Key", "Red, White, Yellow, Blue", "99" };  
  
 public String getQuestions(int a) {  
 String questions = mQuestions[a];  
 return questions;  
 }  
  
 public String getChoice1(int a) {  
 String choice = mChoices[a][0];  
 return choice;  
 }  
  
 public String getChoice2(int a) {  
 String choice = mChoices[a][1];  
 return choice;  
 }  
  
 public String getChoice3(int a) {  
 String choice = mChoices[a][2];  
 return choice;  
 }  
  
 public String getChoice4(int a) {  
 String choice = mChoices[a][3];  
 return choice;  
 }  
  
 public String getCorrectAnswer(int a) {  
 String answer = mCorrectAnswers[a];  
 return answer;  
 }  
}

QuizApplication

Questions

package com.example.neil.quizapplication;  
  
public class Questions {  
  
 public String mQuestions[] = {  
 "Which is the first planet in the Solar System?",  
 "Which is the second planet in the solar System?",  
 "Which is the third planet in the Solar System?",  
 "which is the fourth planet in the Solar System?",  
 "Which is fifth planet in the Solar System?",  
 "Susie needs 13 ballons. She already has 4 balloons. How many more balloons does she need?",  
 "Order these numbers from lowest to highest 12, 25, 18, 23, 14",  
 "My book has 28 pages. I've read 23 pages. How many pages are left to read?",  
 "What is the sum of 5+7",  
 "Which adds up to 12?",  
 "Find a rhyming word for SEA",  
 "What are the colors of the flag?",  
 "The largest 2-digit number",  
  
 };  
 public String[][] mChoices = {  
 {"mercury", "Venus", "Mars"},  
 {"Jupiter", "Venus", "Earth", "Neptune"},  
 {"Earth", "Jupiter", "Pluto", "Venus"},  
 {"Jupiter", "Saturn", "Mars", "Earth"},  
 {"Saturn", "Jupiter", "Venus", "Mars"},  
 {"5", "9", "8", "2"},  
 {"23,14,18,25,12", "25,23,18,14,12", "12,14,18,23,25", "14,12,18,23,25"},  
 {"6", "2", "4", "5"},  
 {"10", "12", "9", "13"},  
 {"6+6", "5+7", "10+2", "All of the above"},  
 {"Key", "Say", "Cram", "Ya"},  
 {"Red, White", "Red, White, Yellow", "Red, White, Yellow, Blue", "Red, Yellow, Black, Pink"},  
 {"999", "10", "99", "49"},  
  
 };  
  
 private String mCorrectAnswers[] = {"Mercury", "Venus", "Earth", "Mars", "Jupiter", "9", "12,14,18,23,25", "5", "12", "6+6", "Key", "Red, White, Yellow, Blue", "99" };  
  
 public String getQuestions(int a) {  
 String questions = mQuestions[a];  
 return questions;  
 }  
  
 public String getChoice1(int a) {  
 String choice = mChoices[a][0];  
 return choice;  
 }  
  
 public String getChoice2(int a) {  
 String choice = mChoices[a][1];  
 return choice;  
 }  
  
 public String getChoice3(int a) {  
 String choice = mChoices[a][2];  
 return choice;  
 }  
  
 public String getChoice4(int a) {  
 String choice = mChoices[a][3];  
 return choice;  
 }  
  
 public String getCorrectAnswer(int a) {  
 String answer = mCorrectAnswers[a];  
 return answer;  
 }  
}

Main2Activity

package com.example.neil.quizapplication;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class Main2Activity extends AppCompatActivity {  
  
 public Button but1;  
  
 public void init() {  
 but1 = (Button) findViewById(R.id.*but1*);  
 but1.setOnClickListener(new View.OnClickListener() {  
 @Override  
  
 public void onClick(View v) {  
 Intent toy = new Intent(Main2Activity.this, MainActivity.class);  
  
 startActivity(toy);  
 }  
 });  
 }  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main2);  
 init();  
 }  
}

MainActivity

package com.example.neil.quizapplication;  
  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.support.v7.app.AlertDialog;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
import java.util.Random;  
  
public class MainActivity extends AppCompatActivity {  
 Button answer1, answer2, answer3, answer4;  
  
 TextView score, question;  
  
 private Questions mQuestions = new Questions();  
  
 private String mAnswer;  
 private int mScore = 0;  
 private int mQuestionsLenght = mQuestions.mQuestions.length;  
  
 Random r;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 r = new Random();  
  
 answer1 = (Button) findViewById(R.id.*answer1*);  
 answer2 = (Button) findViewById(R.id.*answer2*);  
 answer3 = (Button) findViewById(R.id.*answer3*);  
 answer4 = (Button) findViewById(R.id.*answer4*);  
  
 score = (TextView) findViewById(R.id.*score*);  
 question = (TextView) findViewById(R.id.*question*);  
  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 answer1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer1.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer2.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer3.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 answer4.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (answer4.getText() == mAnswer) {  
 mScore++;  
 score.setText("Score: " + mScore);  
 updateQuestion(r.nextInt(mQuestionsLenght));  
 } else {  
 gameOver();  
 }  
 }  
 });  
  
 }  
  
 private void updateQuestion(int num) {  
 question.setText(mQuestions.getQuestions(num));  
 answer1.setText(mQuestions.getChoice1(num));  
 answer2.setText(mQuestions.getChoice2(num));  
 answer3.setText(mQuestions.getChoice3(num));  
 answer4.setText(mQuestions.getChoice4(num));  
  
 mAnswer = mQuestions.getCorrectAnswer(num);  
 }  
  
 private void gameOver() {  
 AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(MainActivity.this);  
 alertDialogBuilder  
 .setMessage("Game Over! Your score is " + mScore + " points.")  
 .setCancelable(false)  
 .setPositiveButton("NEW GAME",  
 new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 startActivity(new Intent(getApplicationContext(), MainActivity.class));  
 }  
 })  
 .setNegativeButton("EXIT",  
 new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 finish();  
 }  
 });  
 AlertDialog alertDialog = alertDialogBuilder.create();  
 alertDialog.show();  
 }  
}