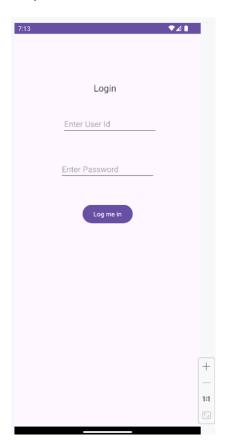
Mobile application program

1 login program:

```
<androidx.constraintlayout.widget.ConstraintLayout</pre>
   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"
   tools:context=".MainActivity">
   <TextView
       android:id="@+id/textView"
        android:layout width="60dp"
        android:layout height="wrap content"
        android:text="Login"
        android:textSize="20dp"
        app:layout_constraintBottom toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout_constraintVertical bias="0.126" />
    <EditText
       android:id="@+id/editTextUserId"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
       android:layout_marginStart="5dp"
       android:layout_marginLeft="5dp"
       android:layout marginBottom="55dp"
       android:ems="10"
       android:hint="Enter User Id"
       android:inputType="textPersonName"
       app:layout_constraintBottom toTopOf="@+id/editTextTextPassword"
       app:layout constraintStart toStartOf="@+id/editTextTextPassword" />
   <EditText
       android:id="@+id/editTextTextPassword"
        android:layout width="wrap content"
       android:layout height="wrap content"
       android:layout marginTop="276dp"
       android:ems="10"
       android:hint="Enter Password"
        android:inputType="textPassword"
        app:layout constraintEnd toEndOf="parent"
   app:layout constraintStart toStartOf="parent"
   app:layout constraintTop toTopOf="parent" />
    <Button
       android:id="@+id/button"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout_marginTop="52dp"
        android:text="Log me in"
        android:onClick="loginCheck"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
MainActivity.java:
package com.example.loginapp;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    EditText userid, password;
    Button logButton;
    int count=3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        userid = findViewById(R.id.editTextUserId);
        password = findViewById(R.id.editTextTextPassword);
        logButton = findViewById(R.id.button);
    public void loginCheck(View view) {
        if (userid.getText().toString().equals("vikash") &&
                password.getText().toString().equals("viki")){
            Toast.makeText(this, "Login Successful",
Toast.LENGTH SHORT).show();
        }
        else{
            count--;
            Toast.makeText(this, "Wrong Credentials... Remaining Attempts "
+ count,
                    Toast.LENGTH LONG) .show();
        if (count == 0) {
            logButton.setEnabled(false);
        }
    }
}
```







2.single screen app:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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:orientation="vertical"
    android:padding="2dp"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/menu item 1"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="@string/welcome to the cake shop"
        android:padding="10dp"
        android:textSize="30sp" />
    <ImageView</pre>
        android:id="@+id/imageView"
        android:layout width="match parent"
        android:layout_height="300dp"
        android:scaleType="centerCrop"
        app:srcCompat="@drawable/cake"
        android:contentDescription="@string/cake image" />
    <TextView
        android:id="@+id/menu item 2"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:padding="10dp"
        android:text="@string/contact on 044290329093"
        android:textSize="30sp" />
    <TextView
        android:id="@+id/menu item 3"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:padding="10dp"
        android:text="@string/email cakeshop gmail com"
        android:textSize="28sp" />
    <TextView
        android:id="@+id/menu item 4"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:padding="10dp"
        android:text="@string/working hours 7am to 9pm"
        android:textSize="30sp" />
</LinearLayout>
Strings.xml:
<resources>
    <string name="app name">single</string>
<string name="the cake shop">The Cake Shop</string>
```

<string name="contact_on_044290329093">Contact on : +044290329093</string>
<string name="email_cakeshop_gmail_com">Email : cakeshop@gmail.com</string>
<string name="welcome_to_the_cake_shop">Welcome to the Cake Shop</string>
<string name="working_hours_7am_to_9pm">Working Hours : 8am to 7pm</string>
<string name="cake_image">Cake image</string>
</resources>



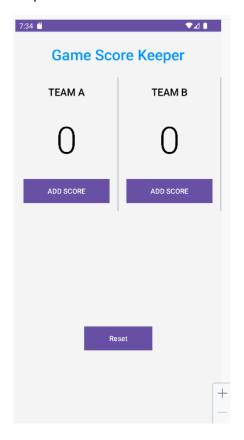
3 score keeper app:

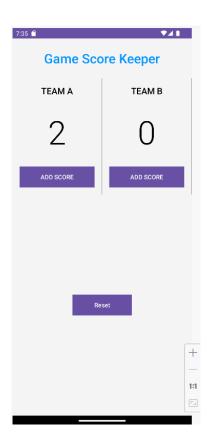
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
   android:layout height="match parent"
   android:background="#fff4f4f4"
   android:orientation="vertical">
    <LinearLayout</pre>
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:gravity="center"
        android:layout gravity="center"
        android:orientation="vertical">
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android: fontFamily="sans-serif-medium"
            android:text="Game Score Keeper"
            android:textColor="#fd0095ff"
            android:textSize="30sp"
            android:padding="25dp" />
   </LinearLayout>
   <LinearLayout
        android:layout width="match parent"
        android:layout height="wrap content"
        android:background="#999"
        android:orientation="horizontal">
        <LinearLayout
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout marginRight="1dp"
            android:layout weight="1"
            android:background="#fff4f4f4"
            android:gravity="center horizontal"
            android:orientation="vertical"
            android:padding="16dp">
            <TextView
            android:layout width="wrap content"
            android:layout height="wrap content"
            android: fontFamily="sans-serif-medium"
            android:text="Team A"
            android:textAllCaps="true"
            android:textColor="#000"
            android:textSize="20sp" />
            <TextView
                android:id="@+id/team_a_score"
                android:layout width="wrap content"
                android:layout height="wrap content"
                android:layout marginTop="30dp"
                android:fontFamily="sans-serif-light"
                android:text="0"
                android:textAllCaps="true"
                android:textColor="#000"
                android:textSize="75sp" />
```

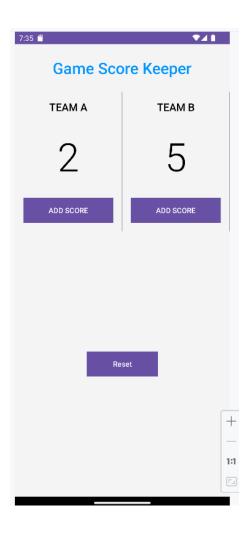
```
<Button
            android:id="@+id/team_a_one_score"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout marginTop="30dp"
            android:background="#fd0095ff"
            android:onClick="addScoreA"
            android:text="Add Score"
            android:textAllCaps="true"
            android:textColor="#fff"
            android:textSize="14sp" />
   </LinearLayout>
   <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginRight="1dp"
        android:layout_weight="1"
       android:background="#fff4f4f4"
       android:gravity="center horizontal"
       android:orientation="vertical"
       android:padding="16dp">
        <TextView
            android:layout_width="wrap_content"
            android:layout height="wrap content"
            android:fontFamily="sans-serif-medium"
            android:text="Team B"
            android:textAllCaps="true"
       android:textColor="#000"
        android:textSize="20sp" />
        <TextView
            android:id="@+id/team b score"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout marginTop="30dp"
            android:fontFamily="sans-serif-light"
            android:text="0"
            android:textAllCaps="true"
            android:textColor="#000"
           android:textSize="75sp" />
           android:id="@+id/team b one score"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout marginTop="30dp"
            android:background="#fd0095ff"
            android:onClick="addScoreB"
            android:text="Add Score"
            android:textAllCaps="true"
            android:textColor="#fff"
            android:textSize="14sp" />
    </LinearLayout>
</LinearLayout>
<LinearLayout
   android:layout width="wrap content"
   android:layout height="match parent"
   android:gravity="center"
   android:layout gravity="center"
   android:orientation="vertical">
```

```
<Button
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:background="#ffd3d3d3"
            android:onClick="resetButton"
            android:paddingLeft="50dp"
            android:paddingRight="50dp"
            android:text="Reset"
            android:textSize="14sp" />
    </LinearLayout>
</LinearLayout>
MainActivity.java:
package com.example.scorekeeper;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
   int scoreTemA = 0;
    int scoreTemB = 0;
    TextView scoreViewA, scoreViewB;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
    public void addScoreA(View view) {
       scoreTemA = scoreTemA + 1;
        scoreViewA = (TextView) findViewById(R.id.team a score);
       scoreViewA.setText("" + scoreTemA);
    public void addScoreB(View view) {
        scoreTemB = scoreTemB + 1;
        scoreViewB = (TextView) findViewById(R.id.team b score);
        scoreViewB.setText(String.valueOf(scoreTemB));
    public void resetButton(View view) {
       scoreTemA = 0;
       scoreTemB = 0;
       scoreViewA.setText("" + scoreTemA);
       scoreViewB.setText("" + scoreTemB);
    }
}
```

output:



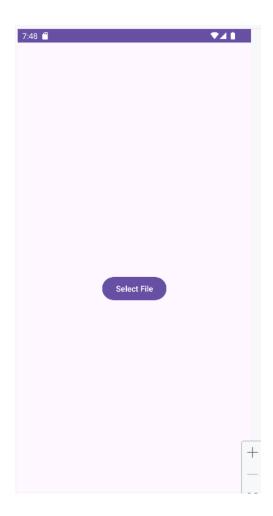


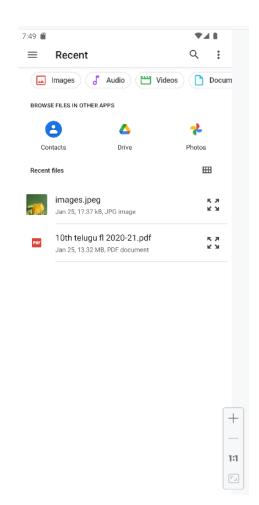


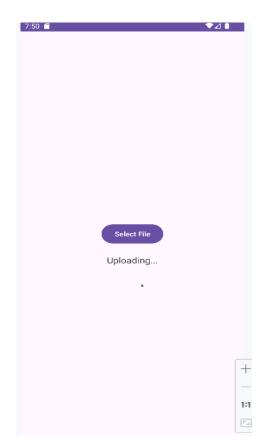
4 file upload:

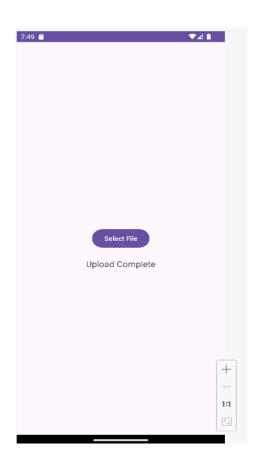
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <Button
        android:id="@+id/uploadButton"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout centerInParent="true"
        android:text="Select File" />
    <TextView
        android:id="@+id/statusTextView"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout_below="@id/uploadButton"
        android:layout centerHorizontal="true"
        android:layout_marginTop="20dp"
        android:text=""
        android:textSize="18sp" />
    <ProgressBar
        android:id="@+id/progressBar"
        android:layout width="wrap content"
        android:layout_height="wrap content"
        android:layout below="@id/statusTextView"
        android:layout centerHorizontal="true"
        android:layout marginTop="20dp"
        android:visibility="gone" />
</RelativeLayout>
MainActivity.java:
package com.example.fupload;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import android.widget.Button;
import android.widget.ProgressBar;
import android.widget.TextView;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
   private static final int PICK FILE REQUEST CODE = 1;
    private TextView statusTextView;
   private ProgressBar progressBar;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        statusTextView = findViewById(R.id.statusTextView);
        progressBar = findViewById(R.id.progressBar);
        Button uploadButton = findViewById(R.id.uploadButton);
        uploadButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
               openFilePicker();
        });
    private void openFilePicker() {
        Intent intent = new Intent(Intent.ACTION GET CONTENT);
        intent.setType("*/*");
        startActivityForResult(intent, PICK FILE REQUEST CODE);
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode,
@Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == PICK FILE REQUEST CODE && resultCode ==
RESULT OK) {
            if (data != null) {
                Uri fileUri = data.getData();
                if (fileUri != null) {
                    uploadFile(fileUri);
            }
        }
    private void uploadFile(Uri fileUri) {
        // Implement file upload logic here
        // You'll need to establish a connection to your server and send
the file
        // Update UI to show progress
        statusTextView.setText("Uploading...");
        progressBar.setVisibility(View.VISIBLE);
        // Simulate file upload with a delay
        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                // Update UI after upload completes
                statusTextView.setText("Upload Complete");
                progressBar.setVisibility(View.GONE);
        }, 3000); // Simulating a 3-second delay
    }
}
```





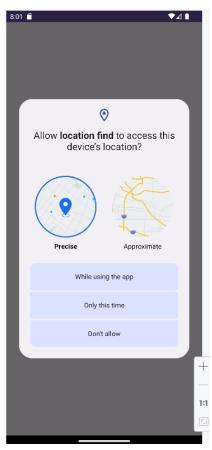




5 location

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/locationTextView"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout centerInParent="true"
        android:textSize="18sp" />
</RelativeLayout>
MainActivity.java:
package com.example.locationfind;
import android.Manifest;
import android.content.pm.PackageManager;
import android.location.Location;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
public class MainActivity extends AppCompatActivity {
    private static final int LOCATION PERMISSION REQUEST CODE = 1001;
    private FusedLocationProviderClient fusedLocationClient;
    private TextView locationTextView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        locationTextView = findViewById(R.id.locationTextView);
        fusedLocationClient =
LocationServices.getFusedLocationProviderClient(this);
        getLocation();
    private void getLocation() {
        if (ContextCompat.checkSelfPermission(this,
Manifest.permission.ACCESS FINE LOCATION) !=
PackageManager. PERMISSION GRANTED) {
            ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.ACCESS FINE LOCATION},
```

```
LOCATION PERMISSION REQUEST_CODE);
        } else {
fusedLocationClient.getLastLocation().addOnSuccessListener(this, location -
> {
                if (location != null) {
                    double latitude = location.getLatitude();
                    double longitude = location.getLongitude();
                    locationTextView.setText("Latitude: " + latitude +
"\nLongitude: " + longitude);
                } else {
                    Toast.makeText(MainActivity.this, "Unable to retrieve
location", Toast.LENGTH SHORT).show();
            });
        }
    }
    @Override
    public void onRequestPermissionsResult(int requestCode, @NonNull
String[] permissions, @NonNull int[] grantResults) {
        super.onRequestPermissionsResult(requestCode, permissions,
grantResults);
        if (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
            if (grantResults.length > 0 && grantResults[0] ==
PackageManager.PERMISSION GRANTED) {
                getLocation();
            } else {
                Toast.makeText(this, "Location permission denied",
Toast.LENGTH SHORT).show();
            }
        }
   }
}
AndroidManifest.xml:
<uses-permission android:name="android.permission.ACCESS COARSE LOCATION"/>
<uses-permission android:name="android.permission.ACCESS FINE LOCATION"/>
<uses-permission</pre>
android:name="android.permission.ACCESS BACKGROUND LOCATION"/>
```





6 dictionary

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/edit text"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:hint="Enter word"
        android:layout marginTop="16dp"
        android:layout_marginStart="16dp"
        android:layout marginEnd="16dp"/>
    <Button
        android:id="@+id/search button"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout_below="@id/edit text"
        android:layout_marginTop="16dp"
        android:layout_marginStart="16dp"
        android:text="Search"/>
    <TextView
       android:id="@+id/result text view"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@id/search button"
       android:layout marginTop="16dp"
       android:layout marginStart="16dp"
        android:layout marginEnd="16dp"
        android:text=""
        android:textSize="18sp"/>
</RelativeLayout>
mainActivity.java:
package com.example.dictionary;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import java.util.HashMap;
import java.util.Map;
public class MainActivity extends AppCompatActivity {
    private EditText editText;
    private Button searchButton;
    private TextView resultTextView;
```

```
private Map<String, String> dictionary;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        // Initialize UI components
        editText = findViewById(R.id.edit text);
        searchButton = findViewById(R.id.search button);
        resultTextView = findViewById(R.id.result text view);
        // Initialize dictionary data
        dictionary = new HashMap<>();
        // Populate dictionary (Replace with your own words and
definitions)
        dictionary.put("apple", "A fruit");
dictionary.put("banana", "Another fruit");
        dictionary.put("computer", "An electronic device");
        dictionary.put("android", "operating sytem");
        dictionary.put("java", "programming language");
        // Set click listener for search button
        searchButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // Get the word entered by the user
                String word = editText.getText().toString().trim();
                // Check if the word exists in the dictionary
                if (dictionary.containsKey(word)) {
                     // If yes, display the definition
                     String definition = dictionary.get(word);
                     resultTextView.setText(definition);
                } else {
                     // If not, display a message indicating that the word
is not found
                     Toast.makeText(MainActivity.this, "Word not found",
Toast.LENGTH SHORT).show();
                     resultTextView.setText("");
                }
            }
        });
    }
}
output:
```







7 quiz

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   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="25dp"
   tools:context=".MainActivity">
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:id="@+id/quesTop"
        android:text="Questions"
        android:layout_centerHorizontal="true"
        android:textSize="25dp"/>
    <TextView
       android:layout width="match parent"
        android:layout height="wrap content"
        android:id="@+id/question"
       android:textStyle="bold"
       android:text="Question will come here"
       android:textColor="@color/black"
        android:textSize="25dp"
        android:textAlignment="center"
        android:layout_margin="20dp"
        android:layout above="@+id/choice layout" />
   <LinearLayout</pre>
       android:layout width="match parent"
        android:layout height="wrap content"
        android:id="@+id/choice_layout"
       android:layout centerInParent="true"
        android:orientation="vertical">
        <Button
            android:layout width="match parent"
            android:layout height="wrap content"
            android:id="@+id/ansA"
            android:layout margin="5dp"
        android:text="Answer A"
        android:backgroundTint="@color/white"
        android:textColor="@color/black"/>
        <Button
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout margin="5dp"
            android:id="@+id/ansB"
            android:text="Answer B"
            android:backgroundTint="@color/white"
            android:textColor="@color/black"/>
        <But.ton
            android:layout width="match parent"
```

```
android:layout height="wrap content"
            android:layout margin="5dp"
            android:id="@+id/ansC"
            android:text="Answer C"
            android:backgroundTint="@color/white"
            android:textColor="@color/black"/>
        <Button
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout margin="5dp"
            android:id="@+id/ansD"
            android:text="Answer D"
            android:backgroundTint="@color/white"
            android:textColor="@color/black"/>
    </LinearLayout>
    <Button
        android:id="@+id/submitBtn"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/choice layout"
        android:layout marginTop="50dp"
        android:text="Submit" />
</RelativeLayout>
MainActivity.java:
package com.example.quiz;
import androidx.appcompat.app.AppCompatActivity;
import android.app.AlertDialog;
import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
   TextView questStatus;
    TextView displayQuestion;
    Button optA, optB, optC, optD, submit;
    int score=0;
    int totQuestion=QuesAns.questions.length;
    int questionIndex=0;
    String selectedAnswer="";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        questStatus = (TextView) findViewById(R.id.quesTop);
        displayQuestion=(TextView) findViewById(R.id.question);
        optA=(Button) findViewById(R.id.ansA);
        optB=(Button) findViewById(R.id.ansB);
        optC=(Button) findViewById(R.id.ansC);
        optD=(Button) findViewById(R.id.ansD);
        submit=(Button) findViewById(R.id.submitBtn);
        optA.setOnClickListener(this);
        optB.setOnClickListener(this);
        optC.setOnClickListener(this);
        optD.setOnClickListener(this);
        submit.setOnClickListener(this);
```

```
questStatus.setText("Question " + questionIndex+1 +" / "+
totQuestion);
        loadNewQuestion();
    @Override
    public void onClick(View view) {
        optA.setBackgroundColor(Color.WHITE);
        optB.setBackgroundColor(Color.WHITE);
        optC.setBackgroundColor(Color.WHITE);
        optD.setBackgroundColor(Color.WHITE);
        Button clickedButton = (Button) view;
        if(clickedButton.getId() == R.id.submitBtn) {
            if (selectedAnswer==QuesAns.answer[questionIndex]) {
                score++;
            questionIndex++;
            loadNewQuestion();
        else{
            selectedAnswer = clickedButton.getText().toString();
            clickedButton.setBackgroundColor(Color.CYAN);
        }
    void loadNewQuestion() {
        if(questionIndex==totQuestion){
            endQuiz();
            return;
        questStatus.setText("Question " + (questionIndex+1) +" / "+
totQuestion);
        displayQuestion.setText(QuesAns.questions[questionIndex]);
        optA.setText(QuesAns.choices[questionIndex][0]);
        optB.setText(QuesAns.choices[questionIndex][1]);
        optC.setText(QuesAns.choices[questionIndex][2]);
        optD.setText(QuesAns.choices[questionIndex][3]);
    void endQuiz(){
        new AlertDialog.Builder(this)
                .setTitle("You have answered " + score + " Correctly")
                .setPositiveButton("Start Again", ((dialog, which) ->
restart()))
                .setCancelable(false)
                .show();
    }
    private void restart() {
        score=questionIndex=0;
        loadNewQuestion();
    }
QuesAns.java:
package com.example.quiz;
public class QuesAns {
        public static String questions[]={
```

```
"Which company owns Android",
                   "Who is the CEO of Google and alphabet",
                   "What is the Android mascot (unofficially) known as?",
                   "Android OS was initially designed for _____ devices"
         };
         public static String choices[][]={
                   {"Google", "Linux", "Microsoft", "Apple"}, {"Sathya Nandella", "Sundar Pichai", "Elon Musk", "Larry
Page"},
                   {"Android", "Bugdroid", "Candroid", "Dandroid"}, {"Computers", "Washing Machines", "Robots", "Digital
Cameras"}
         };
         public static String answer[]={
                   "Google",
                   "Sundar Pichai",
                   "Bugdroid",
                   "Digital Cameras"
        };
     }
```

output:

