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PROJECT REPORT ON

Under Supervision-

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ANDROID



SUBMITTED BY

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Acknowledgement

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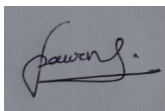
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Netcamp ID :

College : United College of Engineering And Research , Allahabad

Date : 05 / 10 / 2022

Signature :



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Certificate

*This is to certify that, **Pavan Singh**, a student of program, **Android with Java Program** has successfully completed a project on Android Developement under the guidance of **Mr. Santu Purkait** (**Netcamp Solutions Private Limited.**)*

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MainActivity.java

```
package com.example.app60;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.hbb20.CountryCodePicker;

public class MainActivity extends AppCompatActivity {

    EditText e1;
    private EditText e2 , e3 ;
    CountryCodePicker ccp;
    Button b1 , b2;
    private Button b3;
    private TextView t1;
    private FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        getSupportActionBar().setTitle("🏠 Home");
        e1=(EditText) findViewById(R.id.editText);
        e2=(EditText) findViewById(R.id.editText2);
        e3=(EditText) findViewById(R.id.editText3);
        ccp=(CountryCodePicker) findViewById(R.id.ccp);
        ccp.registerCarrierNumberEditText(e1);
        b1=(Button)findViewById(R.id.button);
        b2=(Button)findViewById(R.id.button5);
        b3=(Button)findViewById(R.id.button16);
        t1=(TextView)findViewById(R.id.textView10);
        firebaseAuth = FirebaseAuth.getInstance();
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent( MainActivity.this , all.class);
```

```

        startActivity(i);
        //finish();
    }
});
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent( MainActivity.this , second.class);
        i.putExtra("mobile",ccp.getFullNumberWithPlus().trim());
        startActivity(i);
        finish();
    }
});
t1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(MainActivity.this , signin.class);
        startActivity(intent);
        finish();
    }
});
b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        createuser();
    }
});
}
private void createuser(){

    String email = e2.getText().toString();
    String pass = e3.getText().toString();

    if(!email.isEmpty() && Patterns.EMAIL_ADDRESS.matcher(email).matches()){
        if(!pass.isEmpty())
        {
            firebaseAuth.createUserWithEmailAndPassword(email,pass).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull Task<AuthResult> task) {
                    Toast.makeText(MainActivity.this, "Registered Successfully !!", Toast.LENGTH_SHORT).show();
                    Intent intent = new Intent( MainActivity.this , signin.class);
                    startActivity(intent);
                    finish();
                }
            }).addOnFailureListener(new OnFailureListener() {
                @Override
                public void onFailure(@NonNull Exception e) {
                    Toast.makeText(MainActivity.this, "Registration Error !!", Toast.LENGTH_SHORT).show();
                }
            });
        }else {
            e3.setError("Empty Space is Not Allowd !");
        }
    }else if (email.isEmpty()){
        e2.setError("Empty Space is Not Allowed !");
    }
}

```

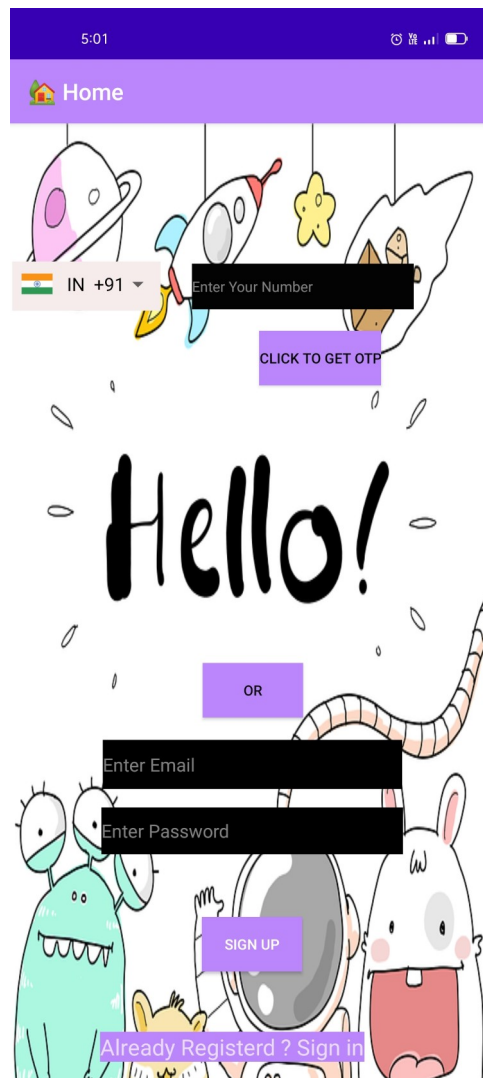


```

    }else{
        e2.setError("Please Enter Correct Email");
    }
}
}
}

```

activity_main.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/h"
    tools:context=".MainActivity">
    <com.hbb20.CountryCodePicker
        android:id="@+id/ccp"

```

```

        android:layout_width="wrap_content"
        android:layout_height="43dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="2dp"
        android:layout_marginTop="121dp"
        android:background="#F6ECEC" />
<EditText
    android:id="@+id/editText"
    android:layout_width="194dp"
    android:layout_height="40dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginTop="123dp"
    android:layout_marginEnd="70dp"
    android:background="@color/purple_200"
    android:backgroundTint="#040303"
    android:ems="10"
    android:hint="Enter Your Number"
    android:inputType="textPersonName"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1" />
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="218dp"
    android:layout_marginBottom="610dp"
    android:background="@color/purple_200"
    android:text="click to get otp"
    android:textColor="#070707" />
<Button
    android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="167dp"
    android:layout_marginBottom="319dp"
    android:background="@color/purple_200"
    android:text="OR"
    android:textColor="#0E0D0D" />
<EditText
    android:id="@+id/editText2"
    android:layout_width="262dp"
    android:layout_height="43dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="81dp"
    android:layout_marginBottom="256dp"
    android:background="@color/black"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textPersonName" />
<EditText
    android:id="@+id/editText3"
    android:layout_width="264dp"
    android:layout_height="41dp"
    android:layout_alignParentStart="true"

```

```

        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="80dp"
        android:layout_marginBottom="199dp"
        android:background="@color/black"
        android:ems="10"
        android:hint="Enter Password"
        android:inputType="textPersonName" />
    <TextView
        android:id="@+id/textView10"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="79dp"
        android:layout_marginBottom="17dp"
        android:background="@color/purple_200"
        android:text="Already Registerd ? Sign in"
        android:textSize="22sp" />
    <Button
        android:id="@+id/button16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="96dp"
        android:background="@color/purple_200"
        android:text="SIGN UP" />
</RelativeLayout>

```

second.java

```

package com.example.app60;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.FirebaseException;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.PhoneAuthCredential;
import com.google.firebase.auth.PhoneAuthProvider;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;

```

```

import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import java.util.concurrent.TimeUnit;

public class second extends AppCompatActivity {

    EditText e1;
    Button b1;
    FirebaseAuth firebaseAuth;
    String phone;
    String otp;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("OTP Verification");
        phone=getIntent().getStringExtra("mobile").toString();
        e1=(EditText) findViewById(R.id.editText2);
        b1=(Button) findViewById(R.id.button2);
        firebaseAuth=FirebaseAuth.getInstance();
        genotp();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String s1 = e1.getText().toString();
                if(s1.isEmpty())
                {
                    e1.setError("fill otp");
                    return;
                }
                else
                {
                    if(s1.length()!=6)
                    {
                        e1.setError("wrong number");
                        return;
                    }
                    else
                    {
                        PhoneAuthCredential credential = PhoneAuthProvider.getCredential(otp,s1);
                        signInWithPhoneAuthCredential(credential);
                    }
                }
            }
        });
    }

    private void genotp()

```

```

{
    PhoneAuthProvider.getInstance().verifyPhoneNumber(
        phone,
        60,
        TimeUnit.SECONDS,
        this, new PhoneAuthProvider.OnVerificationStateChangedCallbacks() {
            @Override
            public void onCodeSent(@NonNull String s, @NonNull PhoneAuthProvider.ForceResendingToken
forceResendingToken) {
                super.onCodeSent(s, forceResendingToken);
                otp=s;
            }

            @Override
            public void onVerificationCompleted(@NonNull PhoneAuthCredential phoneAuthCredential) {

                PhoneAuthCredential PhoneAuthCredential = null;
                signInWithPhoneAuthCredential(PhoneAuthCredential);

            }

            @Override
            public void onVerificationFailed(@NonNull FirebaseException e) {

                Toast.makeText(second.this, "Wrong OTP", Toast.LENGTH_SHORT).show();

            }
        }
    );
}

private void signInWithPhoneAuthCredential (PhoneAuthCredential credential)
{
    firebaseAuth.signInWithCredential(credential).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
        @Override
        public void onComplete(@NonNull Task<AuthResult> task) {
            if(task.isSuccessful())
            {
                Toast.makeText(second.this, "Login Successful !!", Toast.LENGTH_SHORT).show();
                Intent i = new Intent(second.this , all.class);
                startActivity(i);
                finish();
            }
            else
            {
                Toast.makeText(second.this, "Wrong OTP !", Toast.LENGTH_SHORT).show();
            }
        }
    }
    );
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {

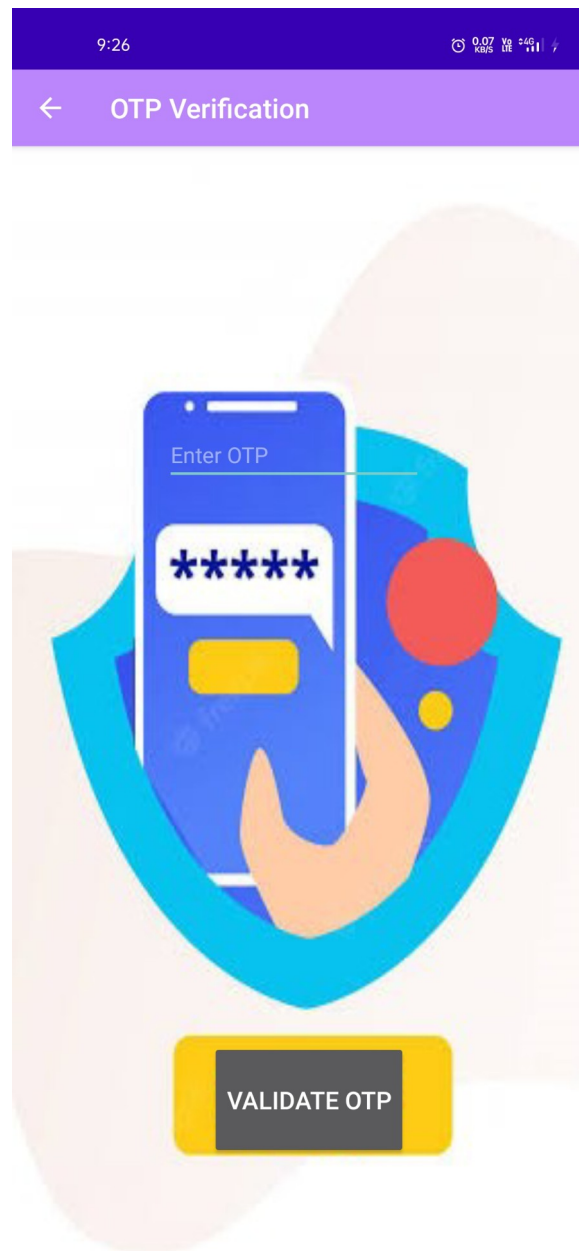
```

```

switch (item.getItemId()) {
    case android.R.id.home:
        this.finish();
        return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_second.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:background="@drawable/otp"
android:layout_height="match_parent"
tools:context=".second">

<EditText
    android:id="@+id/editText2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="205dp"
    android:layout_marginEnd="123dp"
    android:ems="10"
    android:hint="Enter OTP "
    android:inputType="textPersonName"
    android:textColor="#191818" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="85dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginStart="145dp"
    android:layout_marginBottom="99dp"
    android:text="Validate OTP"
    android:textSize="20sp" />
</RelativeLayout>
```

signin.java

```
package com.example.app60;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
```

```

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class signin extends AppCompatActivity {

    private EditText e2 , e3 ;
    private Button b3;
    private TextView t1;
    private FirebaseAuth firebaseAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signin);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Login");
        e2=(EditText)findViewById(R.id.editText2);
        e3=(EditText)findViewById(R.id.editText3);
        firebaseAuth=FirebaseAuth.getInstance();
        b3=(Button) findViewById(R.id.button15);
        t1=(TextView) findViewById(R.id.textView10);

        t1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(signin.this , MainActivity.class);
                startActivity(intent);
                //finish();
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                loginuser();
            }
        });

    }

    private void loginuser(){

```



```

String email = e2.getText().toString();
String pass = e3.getText().toString();

if(!email.isEmpty() && Patterns.EMAIL_ADDRESS.matcher(email).matches()){
    if(!pass.isEmpty())
    {
        firebaseAuth.signInWithEmailAndPassword(email , pass).addOnSuccessListener(new
OnSuccessListener<AuthResult>() {
            @Override
            public void onSuccess(AuthResult authResult) {
                Toast.makeText(signin.this, "Login Successfully !!", Toast.LENGTH_SHORT).show();
                Intent intent = new Intent(signin.this , all.class);
                startActivity(intent);
                finish();
            }
        }).addOnFailureListener(new OnFailureListener() {
            @Override
            public void onFailure(@NonNull Exception e) {
                Toast.makeText(signin.this, "Login Failed !!", Toast.LENGTH_SHORT).show();
            }
        });
    }else {
        e3.setError("Empty Space is Not Allowed !");
    }
}else if (email.isEmpty()){
    e2.setError("Empty Space is Not Allowed !");
}else{
    e2.setError("Please Enter Correct Email");
}

}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_signin.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/login"
    tools:context=".signin">

    <EditText
        android:id="@+id/editText2"
```

```
    android:layout width="262dp"
    android:layout height="43dp"
    android:layout alignParentStart="true"
    android:layout alignParentBottom="true"
    android:layout marginStart="81dp"
    android:layout marginBottom="256dp"
    android:background="@color/black"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textPersonName" />
```

<EditText

```
    android:id="@+id/editText3"
    android:layout width="264dp"
    android:layout height="41dp"
    android:layout alignParentStart="true"
    android:layout alignParentBottom="true"
    android:layout centerHorizontal="true"
    android:layout marginStart="80dp"
    android:layout marginBottom="199dp"
    android:background="@color/black"
    android:ems="10"
    android:hint="Enter Password"
    android:inputType="textPersonName" />
```

<TextView

```
    android:id="@+id/textView10"
    android:layout width="wrap_content"
    android:layout height="wrap_content"
    android:layout alignParentStart="true"
    android:layout alignParentBottom="true"
    android:layout centerHorizontal="true"
    android:layout marginStart="68dp"
    android:layout marginBottom="16dp"
    android:background="@color/purple_200"
    android:text="Not Registerd Yet ? Sign up"
    android:textSize="22sp" />
```

<Button

```
    android:id="@+id/button15"
    android:layout width="wrap_content"
    android:layout height="wrap_content"
    android:layout alignParentStart="true"
    android:layout alignParentBottom="true"
    android:layout centerHorizontal="true"
    android:layout marginStart="162dp"
    android:layout marginBottom="108dp"
    android:background="@color/purple_200"
    android:text="Sign In" />
```

</RelativeLayout>

all.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageButton;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;

public class all extends AppCompatActivity {

    ImageButton ib1,ib2,ib3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_all);
        getSupportActionBar().setTitle("🏠 Home");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);

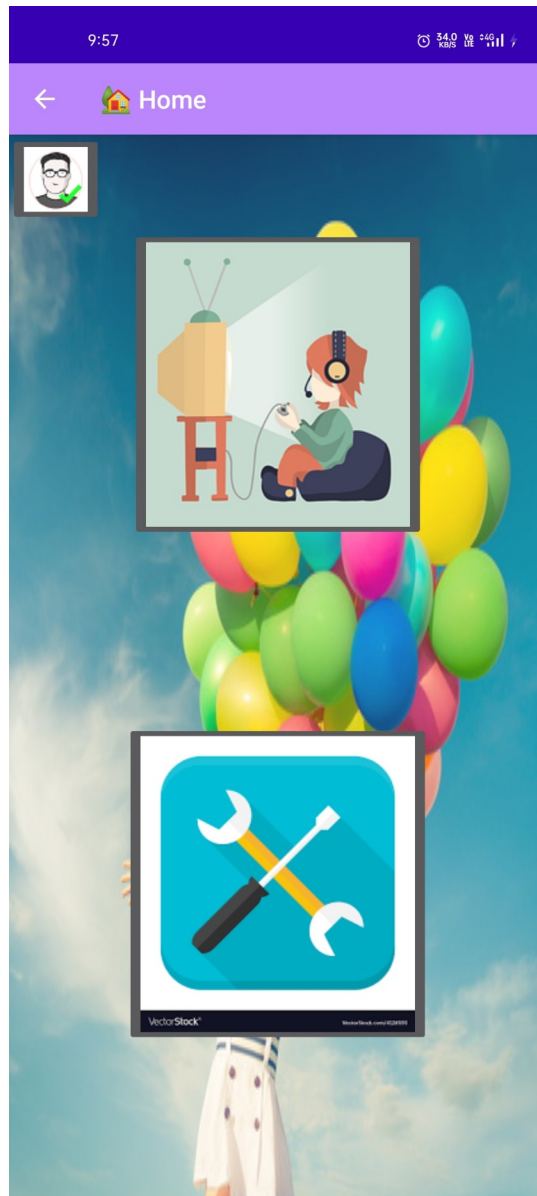
        ib1 = (ImageButton) findViewById(R.id.imageButton26);
        ib2 = (ImageButton) findViewById(R.id.imageButton3);
        ib3 = (ImageButton) findViewById(R.id.imageButton29);

        ib1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent( all.this , games.class);
                startActivity(i);
                //finish();
            }
        });
        ib2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                Intent i = new Intent( all.this , tools.class);
                startActivity(i);
                //finish();
            }
        });
    }
}
```

```
    }  
    });  
    ib3.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View view) {  
            Intent intent = new Intent(all.this,third.class);  
            startActivity(intent);  
            //finish();  
        }  
    });  
}  
  
@Override  
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
    switch (item.getItemId()) {  
        case android.R.id.home:  
            this.finish();  
            return true;  
    }  
    return super.onOptionsItemSelected(item);  
}  
}
```

activity_all.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/b1"
    tools:context=".all">

    <ImageButton
        android:id="@+id/imageButton26"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true">
```

```
android:layout_marginTop="75dp"
app:srcCompat="@drawable/g"
tools:layout_editor_absoluteX="78dp"
tools:layout_editor_absoluteY="97dp" />
```

```
<ImageButton
    android:id="@+id/imageButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="124dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.456"
    app:layout_constraintStart_toStartOf="parent"
    app:srcCompat="@drawable/tt"
    tools:layout_editor_absoluteY="379dp" />
```

```
<ImageButton
    android:id="@+id/imageButton29"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    app:srcCompat="@drawable/pro" />
```

```
</RelativeLayout>
```

third.java

```
package com.example.app60;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
import android.os.Bundle;
```

```
import android.view.MenuItem;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.ActionBar;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import com.google.firebase.auth.FirebaseAuth;
```

```
import com.google.firebase.database.DatabaseReference;
```

```

import com.google.firebase.database.FirebaseDatabase;

public class third extends AppCompatActivity {

    Button b1,b2;
    FirebaseAuth firebaseAuth;
    EditText e1,e2,e3;
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_third);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Profile");
        b1=(Button) findViewById(R.id.button4);
        b2=(Button) findViewById(R.id.button3);
        e1=(EditText)findViewById(R.id.editText3);
        e2=(EditText)findViewById(R.id.editText4);
        e3=(EditText)findViewById(R.id.editText5);
        firebaseDatabase = FirebaseDatabase.getInstance();
        firebaseAuth=FirebaseAuth.getInstance();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                firebaseAuth.signOut();
                Intent i = new Intent(getApplicationContext() , MainActivity.class);
                i.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
                startActivity(i);
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                databaseReference = firebaseDatabase.getReference("Users");
                String s1 = e1.getText().toString();
                String s2 = e2.getText().toString();
                String s3 = e3.getText().toString();
                if(s3.length()!=10)
                {
                    Toast.makeText(third.this, "Invalid Entry !!", Toast.LENGTH_SHORT).show();
                }
                else
                {
                    Users users = new Users(s1,s2,s3);
                    databaseReference.child(s3).setValue(users);
                    Toast.makeText(third.this, "updated", Toast.LENGTH_SHORT).show();
                }
            }
        })
    }
}

```



```

});
}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_third.xml

10:01 9.51 KB

← Profile

Enter Your Name

Enter Your EMAIL

Enter Mobile Number

UPDATE LOGOUT

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
android:background="@drawable/profile"
tools:context=".third">
```

<EditText

```
    android:id="@+id/editText3"
    android:layout_width="292dp"
    android:layout_height="40dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="250dp"
    android:layout_marginEnd="61dp"
    android:background="@color/purple_200"
    android:ems="10"
    android:hint="Enter Your EMAIL"
    android:inputType="textPersonName" />
```

<EditText

```
    android:id="@+id/editText4"
    android:layout_width="290dp"
    android:layout_height="42dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginTop="160dp"
    android:layout_marginEnd="63dp"
    android:background="@color/purple_200"
    android:ems="10"
    android:hint="Enter Your Name"
    android:inputType="textPersonName" />
```

<EditText

```
    android:id="@+id/editText5"
    android:layout_width="285dp"
    android:layout_height="42dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerInParent="true"
    android:layout_marginTop="341dp"
    android:layout_marginEnd="65dp"
    android:background="@color/purple_200"
    android:ems="10"
    android:hint="Enter Mobile Number"
    android:inputType="textPersonName" />
```

<Button

```
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="78dp"
android:layout_marginBottom="183dp"
android:background="@color/purple_200"
android:text="UPDATE"
android:textColor="#000000" />
```

<Button

```
android:id="@+id/button4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="77dp"
android:layout_marginBottom="184dp"
android:background="@color/purple_200"
android:text="LogOut"
android:textColor="#0E0E0E" />
```

<ImageButton

```
android:id="@+id/imageButton30"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginTop="49dp"
app:srcCompat="@drawable/pro" />
```

</RelativeLayout>

games.java

```
package com.example.app60;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.ImageButton;
```

```
import android.os.Bundle;
```

```
import android.view.MenuItem;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.ActionBar;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```

public class games extends AppCompatActivity {

    ImageButton ib1,ib2,ib3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_games);
        getSupportActionBar().setTitle("Games");

        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        ib1 = (ImageButton) findViewById(R.id.imageButton2);
        ib2 = (ImageButton) findViewById(R.id.imageButton4);
        ib3 = (ImageButton) findViewById(R.id.imageButton28);
        ib1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent(games.this , four.class);
                startActivity(i);
                //finish();
            }
        });
        ib2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i1 = new Intent(games.this , AddPlayers.class);
                startActivity(i1);
                //finish();
            }
        });
        ib3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(games.this , quiz.class);
                startActivity(intent);
                //finish();
            }
        });
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                this.finish();
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

```

}

activity_games.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/p"
    tools:context=".games">
```

```
<ImageButton
```

```

        android:id="@+id/imageButton2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="31dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:srcCompat="@drawable/m1"
        tools:layout_editor_absoluteY="3dp" />

```

<ImageButton

```

        android:id="@+id/imageButton4"
        android:layout_width="218dp"
        android:layout_height="202dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerInParent="true"
        android:layout_marginStart="102dp"
        android:layout_marginBottom="281dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:srcCompat="@drawable/ti"
        tools:layout_editor_absoluteY="250dp" />

```

<ImageButton

```

        android:id="@+id/imageButton28"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="87dp"
        app:srcCompat="@drawable/quiz" />

```

```
</RelativeLayout>
```

four.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

```

```

public class four extends AppCompatActivity {

    Button b1,b2,b3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_four);
        getSupportActionBar().setTitle("Math Game ?");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        b1=(Button) findViewById(R.id.button6);
        b2=(Button) findViewById(R.id.button7);
        b3=(Button) findViewById(R.id.button8);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent( four.this , fourone.class);
                startActivity(i);
                // finish();
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i2 = new Intent(four.this ,fourtwo.class);
                startActivity(i2);
                // finish();
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i3 = new Intent(four.this ,fourthree.class);
                startActivity(i3);
                // finish();
            }
        });
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                this.finish();
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

```

activity_four.xml



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:background="@drawable/a"
    android:gravity="center_horizontal"
    android:orientation="vertical"
    tools:context=".four">

    <androidx.constraintlayout.widget.Guideline
```



```

        android:id="@+id/guideline2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        app:layout_constraintGuide_begin="20dp" />

<Button
    android:id="@+id/button6"
    android:layout_width="200dp"
    android:layout_height="75dp"
    android:layout_marginTop="75dp"
    android:backgroundTint="#058CF8"
    android:text="ADDITION" />

<Button
    android:id="@+id/button7"
    android:layout_width="200dp"
    android:layout_height="75dp"
    android:layout_marginTop="20dp"
    android:backgroundTint="#058CF8"
    android:text="SUBTRACTION" />

<Button
    android:id="@+id/button8"
    android:layout_width="200dp"
    android:layout_height="75dp"
    android:layout_marginTop="20dp"
    android:backgroundTint="#058CF8"
    android:text="MULTIPLICATION" />
</LinearLayout>

```

fourone.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.CountDownTimer;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import android.os.Bundle;
import android.view.MenuItem;

```

```

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import java.util.Locale;
import java.util.Random;

public class fourone extends AppCompatActivity {

    TextView t1,t2,t3,t4;
    EditText e1;
    Button b1,b2,b3,b4;
    Random random = new Random();

    int number1 , number2;
    int ans;
    int rans;
    int score = 0;
    int life = 3;
    CountdownTimer timer;
    private static final long START_TIMER = 10000;
    Boolean run;
    long time_left = START_TIMER;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fourone);
        getSupportActionBar().setTitle("Math Game ?");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);

        t1=(TextView) findViewById(R.id.textView2); //score
        t2=(TextView) findViewById(R.id.textView4); //life
        t3=(TextView) findViewById(R.id.textView6); //time
        t4=(TextView) findViewById(R.id.textView7); //question
        e1=(EditText)findViewById(R.id.editText6); //answer
        b1=(Button) findViewById(R.id.button9); //ok
        b2=(Button) findViewById(R.id.button10); //next question
        b3=(Button) findViewById(R.id.button11);
        b4=(Button) findViewById(R.id.button12);

        game();
    }

```

```

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        ans = Integer.valueOf(e1.getText().toString());

        pauseTimer();

        if(ans == rans)
        {
            score = score + 10;
            t1.setText(""+score);
            t4.setText("Congratulations , Your answer is True .");
        }
        else
        {

            life = life - 1;
            t2.setText(""+life);
            t4.setText("Sorry , Your Answer is wrong .");
        }

        if(life <= 0)
        {
            Toast.makeText(fourone.this, "GAME OVER", Toast.LENGTH_SHORT).show();
            Intent intent1 = new Intent(fourone.this , result.class);
            intent1.putExtra("score",score);
            startActivity(intent1);
            finish();
        }

    }
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        e1.setText("");
        game();
        resetTimer();

    }
}

```

```

});

b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i1 = new Intent(fourone.this , result.class);
        startActivity(i1);
        finish();
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i2 = new Intent(fourone.this , four.class);
        startActivity(i2);
        finish();
    }
});

}

public void game()
{
    number1 = random.nextInt(100);
    number2 = random.nextInt(100);

    rans = number1 + number2;

    t4.setText(number1 + " + " + number2);
    startTimer();
}

public void startTimer()
{
    timer = new CountDownTimer(time_left,1000) {
        @Override
        public void onTick(long l) {

            time_left = l;
            updateText();

        }

    }

    @Override
    public void onFinish() {

```

```

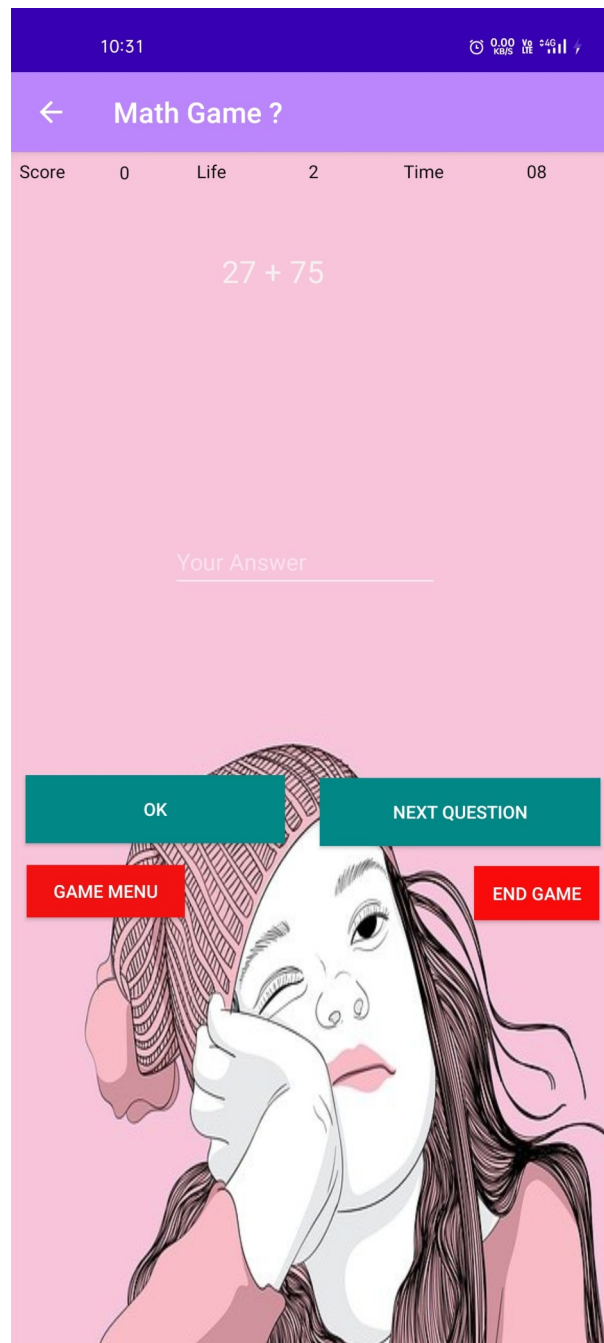
        run = false;
        pauseTimer();
        resetTimer();
        updateText();
        life = life - 1 ;
        t2.setText(""+life);
        t4.setText("Sorry ! Time is up !");

    }
    }.start();
    run = true;
}
public void updateText()
{
    int seconds = (int)(time_left / 1000) % 60;
    String s1 = String.format(Locale.getDefault(),"%02d",seconds);
    t3.setText(s1);
}
public void pauseTimer()
{

    timer.cancel();
    run = false;
}
public void resetTimer()
{
    time_left = START_TIMER;
    updateText();
}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_fourone.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:orientation="vertical"
    android:background="@drawable/b"
    tools:context=".fourone">
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="6dp"
    android:layout_marginTop="5dp"
    android:text="Score"
    android:textColor="#070707" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="76dp"
    android:layout_marginTop="6dp"
    android:text="0"
    android:textColor="#070707" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="5dp"
    android:layout_marginEnd="208dp"
    android:text="3"
    android:textColor="#070707" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="130dp"
    android:layout_marginTop="5dp"
    android:text="Life"
    android:textColor="#070707" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
```

```
android:layout_alignParentEnd="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="120dp"
android:text="Time"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="48dp"
android:text="60"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="180dp"
android:layout_height="176dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="148dp"
android:layout_marginTop="69dp"
android:text="TextView"
android:textColor="#F6F0F0"
android:textSize="24sp" />
```

<EditText

```
android:id="@+id/editText6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="112dp"
android:layout_marginTop="267dp"
android:ems="10"
android:hint="Your Answer"
android:inputType="textPersonName" />
```

<Button

```
android:id="@+id/button9"
android:layout_width="182dp"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="10dp"
android:layout_marginBottom="354dp"
android:background="@color/teal_700"
```



```

        android:text="OK" />

<Button
    android:id="@+id/button10"
    android:layout_width="197dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginEnd="10dp"
    android:layout_marginBottom="352dp"
    android:background="@color/teal_700"
    android:text="Next Question" />

<Button
    android:id="@+id/button11"
    android:layout_width="wrap_content"
    android:layout_height="38dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="11dp"
    android:layout_marginBottom="300dp"
    android:background="#FA0B0B"
    android:text="End Game" />

<Button
    android:id="@+id/button12"
    android:layout_width="111dp"
    android:layout_height="37dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="11dp"
    android:layout_marginBottom="302dp"
    android:background="#F11111"
    android:text="GAME MENU" />
</RelativeLayout>

```

fourtwo.java

```

package com.example.app60;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.CountDownTimer;
import android.view.MenuItem;
import android.view.View;

```

```

import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Locale;
import java.util.Random;

import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class fourtwo extends AppCompatActivity {

    TextView t1,t2,t3,t4;
    EditText e1;
    Button b1,b2,b3,b4;
    Random random = new Random();

    int number1 , number2;
    int ans;
    int rans;
    int score = 0;
    int life = 3;
    CountdownTimer timer;
    private static final long START_TIMER = 30000;
    Boolean run;
    long time_left = START_TIMER;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fourone);
        getSupportActionBar().setTitle("Math Game ?");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);

        t1=(TextView) findViewById(R.id.textView2); //score
        t2=(TextView) findViewById(R.id.textView4); //life
        t3=(TextView) findViewById(R.id.textView6); //time
        t4=(TextView) findViewById(R.id.textView7); //question
        e1=(EditText)findViewById(R.id.editText6); //answer
        b1=(Button) findViewById(R.id.button9); //ok
        b2=(Button) findViewById(R.id.button10); //next question
        b3=(Button) findViewById(R.id.button11);
        b4=(Button) findViewById(R.id.button12);
    }
}

```

```

game();

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        ans = Integer.valueOf(e1.getText().toString());

        pauseTimer();

        if(ans == rans)
        {
            score = score + 10;
            t1.setText(""+score);
            t4.setText("Congratulations , Your answer is True .");
        }
        else
        {

            life = life - 1;
            t2.setText(""+life);
            t4.setText("Sorry , Your Answer is wrong .");
        }

        if(life <= 0)
        {
            Toast.makeText(fourtwo.this, "GAME OVER", Toast.LENGTH_SHORT).show();
            Intent intent = new Intent(fourtwo.this , result.class);
            intent.putExtra("score",score);
            startActivity(intent);
            finish();
        }

    }
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        e1.setText("");
        game();
        resetTimer();
    }
});

```

```

    }
});

b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i1 = new Intent(fourtwo.this , result.class);
        startActivity(i1);
        finish();
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i2 = new Intent(fourtwo.this , four.class);
        startActivity(i2);
        finish();
    }
});

}

public void game()
{
    number1 = random.nextInt(100);
    number2 = random.nextInt(100);

    rans = number1 - number2;

    t4.setText(number1 + " - " + number2);
    startTimer();
}

public void startTimer()
{
    timer = new CountDownTimer(time_left,1000) {
        @Override
        public void onTick(long l) {

            time_left = l;
            updateText();

        }
    }
}

```

```

@Override
public void onFinish() {

    run = false;
    pauseTimer();
    resetTimer();
    updateText();
    life = life - 1 ;
    t2.setText(""+life);
    t4.setText("Sorry ! Time is up !");

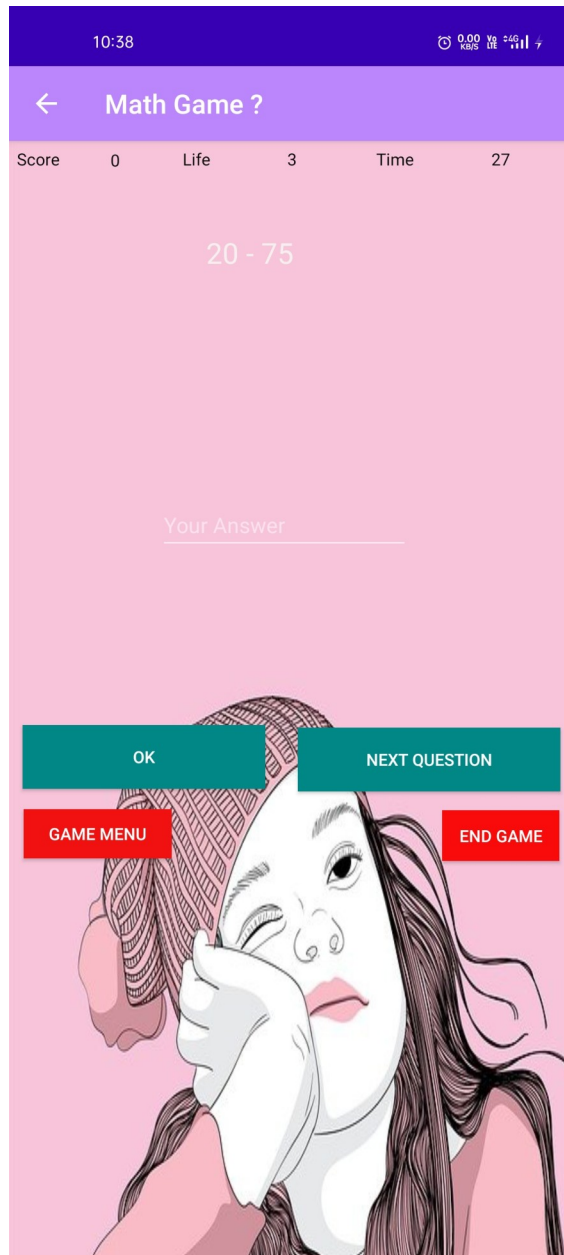
}
}.start();
run = true;
}
public void updateText()
{
    int seconds = (int)(time_left / 1000) % 60;
    String s1 = String.format(Locale.getDefault(),"%02d",seconds);
    t3.setText(s1);
}
public void pauseTimer()
{

    timer.cancel();
    run = false;
}
public void resetTimer()
{
    time_left = START_TIMER;
    updateText();
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_fourtwo.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:orientation="vertical"
    android:background="@drawable/b"
    tools:context=".fourtwo">

    <TextView
        android:id="@+id/textView"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_marginStart="6dp"
android:layout_marginTop="5dp"
android:text="Score"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_marginStart="76dp"
android:layout_marginTop="6dp"
android:text="0"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_centerHorizontal="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="208dp"
android:text="3"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_marginStart="130dp"
android:layout_marginTop="5dp"
android:text="Life"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="120dp"
android:text="Time"
```

```
android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView6"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentTop="true"  
    android:layout_alignParentEnd="true"  
    android:layout_marginTop="5dp"  
    android:layout_marginEnd="48dp"  
    android:text="60"  
    android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView7"  
    android:layout_width="180dp"  
    android:layout_height="176dp"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentTop="true"  
    android:layout_centerHorizontal="true"  
    android:layout_marginStart="148dp"  
    android:layout_marginTop="69dp"  
    android:text="TextView"  
    android:textColor="#F6F0F0"  
    android:textSize="24sp" />
```

<EditText

```
    android:id="@+id/editText6"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentTop="true"  
    android:layout_centerHorizontal="true"  
    android:layout_marginStart="112dp"  
    android:layout_marginTop="267dp"  
    android:ems="10"  
    android:hint="Your Answer"  
    android:inputType="textPersonName" />
```

<Button

```
    android:id="@+id/button9"  
    android:layout_width="182dp"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginStart="10dp"  
    android:layout_marginBottom="354dp"  
    android:background="@color/teal_700"  
    android:text="OK" />
```

<Button


```
android:id="@+id/button10"
android:layout_width="197dp"
android:layout_height="wrap_content"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_centerVertical="true"
android:layout_marginEnd="10dp"
android:layout_marginBottom="352dp"
android:background="@color/teal_700"
android:text="Next Question" />
```

<Button

```
android:id="@+id/button11"
android:layout_width="wrap_content"
android:layout_height="38dp"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="11dp"
android:layout_marginBottom="300dp"
android:background="#FA0B0B"
android:text="End Game" />
```

<Button

```
android:id="@+id/button12"
android:layout_width="111dp"
android:layout_height="37dp"
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="11dp"
android:layout_marginBottom="302dp"
android:background="#F11111"
android:text="GAME MENU" />
```

</RelativeLayout>

fourthree.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.CountDownTimer;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Locale;
import java.util.Random;
import android.os.Bundle;
```

```

import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class fourthree extends AppCompatActivity {

    TextView t1,t2,t3,t4;
    EditText e1;
    Button b1,b2,b3,b4;
    Random random = new Random();

    int number1 , number2;
    int ans;
    int rans;
    int score = 0;
    int life = 3;
    CountdownTimer timer;
    private static final long START_TIMER = 60000;
    Boolean run;
    long time_left = START_TIMER;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fourone);
        getSupportActionBar().setTitle("Math Game ?");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);

        t1=(TextView) findViewById(R.id.textView2); //score
        t2=(TextView) findViewById(R.id.textView4); //life
        t3=(TextView) findViewById(R.id.textView6); //time
        t4=(TextView) findViewById(R.id.textView7); //question
        e1=(EditText)findViewById(R.id.editText6); //answer
        b1=(Button) findViewById(R.id.button9); //ok
        b2=(Button) findViewById(R.id.button10); //next question
        b3=(Button) findViewById(R.id.button11);
        b4=(Button) findViewById(R.id.button12);

        game();

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                ans = Integer.valueOf(e1.getText().toString());

                pauseTimer();

                if(ans == rans)
                {
                    score = score + 10;
                    t1.setText(""+score);
                    t4.setText("Congratulations , Your answer is True .");
                }
            }
        });
    }
}

```

```

    }
    else
    {

        life = life - 1;
        t2.setText(""+life);
        t4.setText("Sorry , Your Answer is wrong .");
    }

    if(life <= 0)
    {
        Toast.makeText(fourthree.this, "GAME OVER", Toast.LENGTH_SHORT).show();
        Intent intent = new Intent(fourthree.this , result.class);
        intent.putExtra("score",score);
        startActivity(intent);
        finish();
    }

    }
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        e1.setText("");
        game();
        resetTimer();

    }
});

b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i1 = new Intent(fourthree.this , result.class);
        startActivity(i1);
        finish();
    }
});

b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i2 = new Intent(fourthree.this , four.class);
        startActivity(i2);
        finish();
    }
});

}

public void game()
{
    number1 = random.nextInt(100);

```

```

        number2 = random.nextInt(100);

        rans = number1 * number2;

        t4.setText(number1 + " X " + number2);
        startTimer();
    }

    public void startTimer()
    {
        timer = new CountDownTimer(time_left,1000) {
            @Override
            public void onTick(long l) {

                time_left = l;
                updateText();

            }

            @Override
            public void onFinish() {

                run = false;
                pauseTimer();
                resetTimer();
                updateText();
                life = life - 1 ;
                t2.setText(""+life);
                t4.setText("Sorry ! Time is up !");

            }
        }.start();
        run = true;
    }

    public void updateText()
    {
        int seconds = (int)(time_left / 1000) % 60;
        String s1 = String.format(Locale.getDefault(),"%02d",seconds);
        t3.setText(s1);
    }

    public void pauseTimer()
    {
        timer.cancel();
        run = false;
    }

    public void resetTimer()
    {
        time_left = START_TIMER;
        updateText();
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {

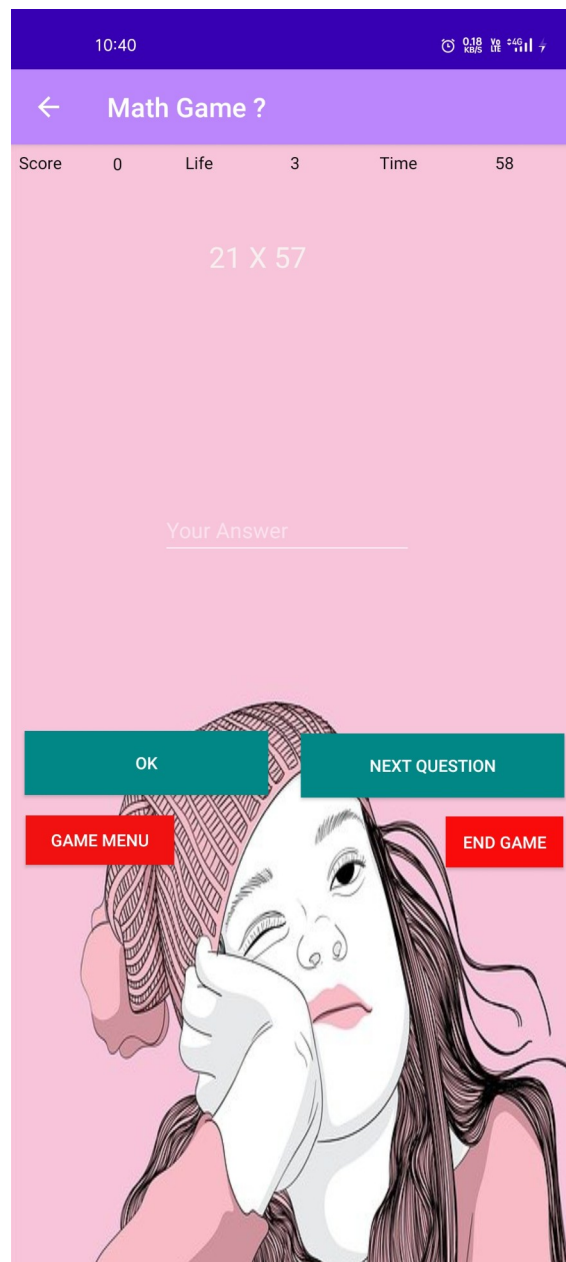
```

```

switch (item.getItemId()) {
    case android.R.id.home:
        this.finish();
        return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_fourthree.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
android:orientation="vertical"
android:background="@drawable/b"
tools:context=".fourthree">
```

<TextView

```
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="6dp"
    android:layout_marginTop="5dp"
    android:text="Score"
    android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="76dp"
    android:layout_marginTop="6dp"
    android:text="0"
    android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="5dp"
    android:layout_marginEnd="208dp"
    android:text="3"
    android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="130dp"
    android:layout_marginTop="5dp"
    android:text="Life"
    android:textColor="#070707" />
```

<TextView

```
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="120dp"
android:text="Time"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_marginTop="5dp"
android:layout_marginEnd="48dp"
android:text="60"
android:textColor="#070707" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="180dp"
android:layout_height="176dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="148dp"
android:layout_marginTop="69dp"
android:text="TextView"
android:textColor="#F6F0F0"
android:textSize="24sp" />
```

<EditText

```
android:id="@+id/editText6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="112dp"
android:layout_marginTop="267dp"
android:ems="10"
android:hint="Your Answer"
android:inputType="textPersonName" />
```

<Button

```
android:id="@+id/button9"
android:layout_width="182dp"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="10dp"
android:layout_marginBottom="354dp"
android:background="@color/teal_700"
android:text="OK" />
```

<Button

```

        android:id="@+id/button10"
        android:layout_width="197dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerVertical="true"
        android:layout_marginEnd="10dp"
        android:layout_marginBottom="352dp"
        android:background="@color/teal_700"
        android:text="Next Question" />

<Button
    android:id="@+id/button11"
    android:layout_width="wrap_content"
    android:layout_height="38dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="11dp"
    android:layout_marginBottom="300dp"
    android:background="#FA0B0B"
    android:text="End Game" />

<Button
    android:id="@+id/button12"
    android:layout_width="111dp"
    android:layout_height="37dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="11dp"
    android:layout_marginBottom="302dp"
    android:background="#F11111"
    android:text="GAME MENU" />
</RelativeLayout>

```

result.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class result extends AppCompatActivity {

```



```

TextView r;
Button b1 , b2;
int score = 0;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_result);
    ActionBar actionBar = getSupportActionBar();
    actionBar.setDisplayHomeAsUpEnabled(true);
    getSupportActionBar().setTitle("Result");

    r = (TextView) findViewById(R.id.textView9); // result
    b1 = (Button) findViewById(R.id.button13); // playagain
    b2 = (Button) findViewById(R.id.button14); // exit

    Intent intent = getIntent();
    score = intent.getIntExtra("score",0);
    String sc = String.valueOf(score);
    r.setText("score : "+sc);

    b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            Intent intent = new Intent(result.this , four.class);
            startActivity(intent);
            finish();

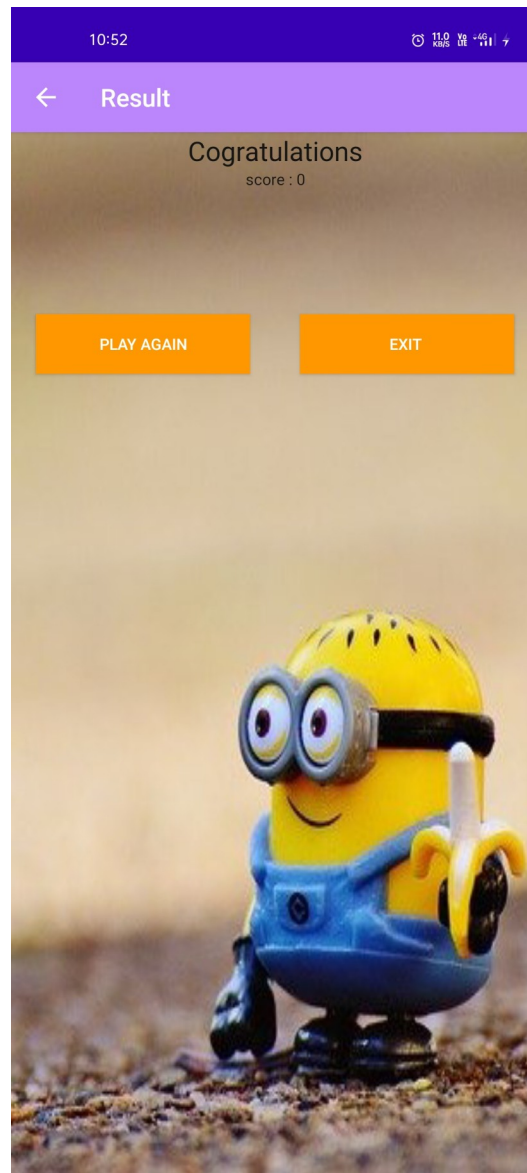
        }
    });
    b2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            finish();

        }
    });
}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_result.xml



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:background="@drawable/m"
    android:gravity="center_horizontal"
    android:orientation="vertical"

    tools:context=".result">

    <TextView
        android:id="@+id/textView8"
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
        android:gravity="center_horizontal"
        android:text="Congratulations"
        android:textColor="#151515"
        android:textSize="24sp" />
```

```
<TextView
```

```
    android:id="@+id/textView9"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center_horizontal"
    android:text="score 20"
    android:textColor="#1B1818" />
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal">
```

```
<Button
```

```
    android:id="@+id/button13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="100dp"
    android:layout_marginRight="20dp"
    android:layout_weight="1"
    android:background="#FF9800"
    android:text="PLAY AGAIN" />
```

```
<Button
```

```
    android:id="@+id/button14"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="100dp"
    android:layout_marginRight="20dp"
    android:layout_weight="1"
    android:background="#FF9800"
    android:text="EXIT" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

AddPlayers.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

```

import android.widget.EditText;
import android.widget.Toast;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class AddPlayers extends AppCompatActivity {

    EditText playerOne,playerTwo;
    Button startGameBtn;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_add_players);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Add Player");

        playerOne=(EditText) findViewById(R.id.playerOneName);
        playerTwo=(EditText) findViewById(R.id.playertwoName);
        startGameBtn=(Button) findViewById(R.id.startGameBtn);

        startGameBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                String s1 = playerOne.getText().toString();
                String s2 = playerTwo.getText().toString();

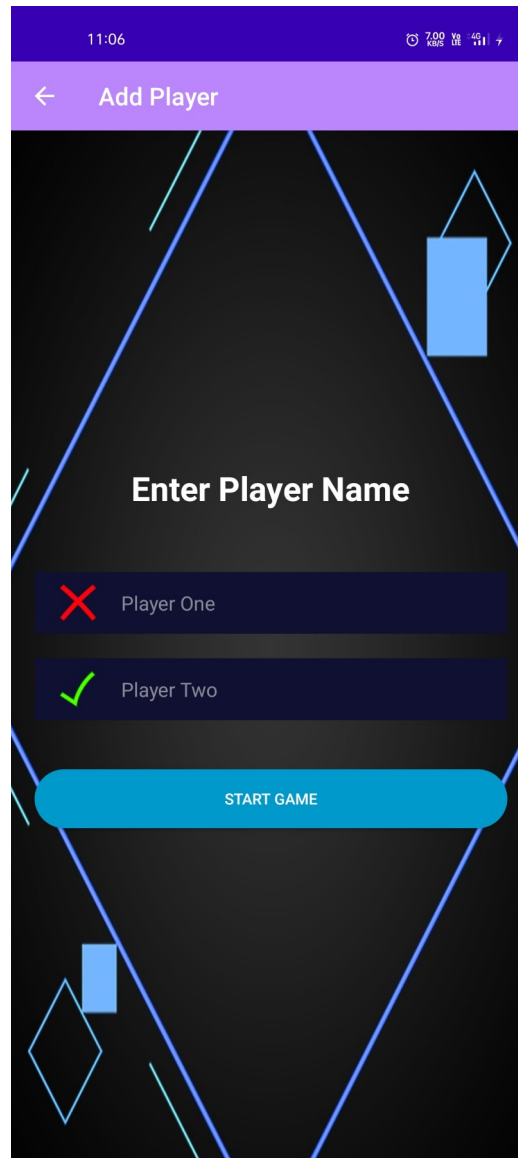
                if(s1.isEmpty() || s2.isEmpty()){
                    Toast.makeText(AddPlayers.this, "Please Enter Player Name", Toast.LENGTH_SHORT).show();
                }
                else {
                    Intent intent = new Intent(AddPlayers.this , tictactoe.class);
                    intent.putExtra("playerOne",s1);
                    intent.putExtra("playerTwo",s2);
                    startActivity(intent);
                    //finish();
                }
            }
        });
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                this.finish();
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

```

}

activity_AddPlayers.xml



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:gravity="center"
    android:background="@drawable/bluohohoh"
    tools:context=".AddPlayers">

    <TextView
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:textColor="#FFFFFF"
android:textSize="30sp"
android:text="Enter Player Name"
android:textStyle="bold"/>
```

<LinearLayout

```
android:gravity="center_vertical"
android:layout_width="match_parent"
android:layout_height="50dp"
android:layout_marginStart="20dp"
android:layout_marginEnd="20dp"
android:background="@color/dark_blue"
android:layout_marginTop="50dp"
android:orientation="horizontal">
```

<ImageView

```
android:layout_marginStart="20dp"
android:layout_width="30dp"
android:layout_height="30dp"
android:src="@drawable/tic2"
android:adjustViewBounds="true"/>
```

<EditText

```
android:inputType="text"
android:maxLines="1"
android:id="@+id/playerOneName"
android:layout_width="match_parent"
android:layout_height="50dp"
android:layout_marginStart="20dp"
android:layout_marginEnd="20dp"
android:hint="Player One"
android:textColorHint="@color/light_white"
android:background="@color/dark_blue"
android:textColor="#FFFFFF"/>
```

</LinearLayout>

<LinearLayout

```
android:gravity="center_vertical"
android:layout_width="match_parent"
android:layout_height="50dp"
android:layout_marginStart="20dp"
android:layout_marginEnd="20dp"
android:background="@color/dark_blue"
android:layout_marginTop="20dp"
android:orientation="horizontal">
```

<ImageView

```
android:layout_marginStart="20dp"
android:layout_width="30dp"
android:layout_height="30dp"
android:src="@drawable/tic1"
android:adjustViewBounds="true"/>
```

<EditText

```
android:inputType="text"
android:maxLines="1"
android:id="@+id/playertwoName"
```

```

        android:layout_width="match_parent"
        android:layout_height="50dp"
        android:layout_marginStart="20dp"
        android:layout_marginEnd="20dp"
        android:hint="Player Two"
        android:textColorHint="@color/light_white"
        android:background="@color/dark_blue"
        android:textColor="#FFFFFF"/>
    </LinearLayout>

    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/startGameBtn"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginEnd="20dp"
        android:layout_marginStart="20dp"
        android:layout_marginTop="40dp"
        android:text="Start Game"
        android:textColor="#FFFFFF"
        android:background="@drawable/round_back_blue1000"/>

</LinearLayout>

```

tictactoe.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.ImageView;
import android.widget.LinearLayout;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import java.util.ArrayList;
import java.util.List;

public class tictactoe extends AppCompatActivity {

    TextView playerOneName , playerTwoName ;
    LinearLayout playerOneLayout , playerTwoLayout ;

```

```

ImageView image1 , image2 , image3 , image4 , image5 , image6 , image7 , image8 , image9 ;
final List<int[]> combinationsList = new ArrayList<>();
int [] boxPositions = {0,0,0,0,0,0,0,0,0};
int playerTurn = 1;
int TotalSelectedBoxes = 1;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_tictactoe);
    ActionBar actionBar = getSupportActionBar();
    actionBar.setDisplayHomeAsUpEnabled(true);
    getSupportActionBar().setTitle("Tic Tac Toe");

    playerOneName = (TextView) findViewById(R.id.playerOneName);
    playerTwoName = (TextView) findViewById(R.id.playertwoName);
    playerOneLayout = (LinearLayout) findViewById(R.id.playerOneLayout);
    playerTwoLayout = (LinearLayout) findViewById(R.id.playerTwoLayout);

    image1 = (ImageView) findViewById(R.id.image1);
    image2 = (ImageView) findViewById(R.id.image2);
    image3 = (ImageView) findViewById(R.id.image3);
    image4 = (ImageView) findViewById(R.id.image4);
    image5 = (ImageView) findViewById(R.id.image5);
    image6 = (ImageView) findViewById(R.id.image6);
    image7 = (ImageView) findViewById(R.id.image7);
    image8 = (ImageView) findViewById(R.id.image8);
    image9 = (ImageView) findViewById(R.id.image9);

    combinationsList.add(new int[]{0,1,2});
    combinationsList.add(new int[]{3,4,5});
    combinationsList.add(new int[]{6,7,8});
    combinationsList.add(new int[]{0,3,6});
    combinationsList.add(new int[]{1,4,7});
    combinationsList.add(new int[]{2,5,8});
    combinationsList.add(new int[]{2,4,6});
    combinationsList.add(new int[]{0,4,8});

    String getPlayerOneName = getIntent().getStringExtra("playerOne");
    String getPlayerTwoName = getIntent().getStringExtra("playerTwo");

    playerOneName.setText(getPlayerOneName);
    playerTwoName.setText(getPlayerTwoName);

    image1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if(isBoxSelectable(0)){

                performAction((ImageView)view , 0);
            }
        }
    });
}

```



```
image2.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(1)){  
  
            performAction((ImageView)view , 1);  
        }  
    }  
});
```

```
image3.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(2)){  
  
            performAction((ImageView)view , 2);  
        }  
    }  
});
```

```
image4.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(3)){  
  
            performAction((ImageView)view , 3);  
        }  
    }  
});
```

```
image5.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(4)){  
            performAction((ImageView)view , 4);  
  
        }  
    }  
});
```

```
image6.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(5)){  
            performAction((ImageView)view , 5);  
  
        }  
    }  
});
```

```
image7.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if(isBoxSelectable(6)){
```

```

        performAction((ImageView)view , 6);

    }
}
});

image8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(isBoxSelectable(7)){

            performAction((ImageView)view , 7);
        }
    }
});

image9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(isBoxSelectable(8)){

            performAction((ImageView)view , 8);

        }
    }
});

}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
boolean isBoxSelectable(int boxPosition){
    boolean response = false;
    if(boxPositions[boxPosition] == 0){
        response = true ;
    }
    return response;
}
private void performAction (ImageView imageView , int selectedBoxPosition){

    boxPositions[selectedBoxPosition] = playerTurn;
    if(playerTurn == 1 ){
        imageView.setImageResource(R.drawable.tic2);

        if(checkPlayerWin()){

            winDialog winDialog = new winDialog(tictactoe.this , playerOneName.getText().toString() + "Has Won The Match" , tictactoe.this);

```

```

        winDialog.setCancelable(false);
        winDialog.show();
    }
    else if(TotalSelectedBoxes == 9){
        winDialog winDialog = new winDialog(tictactoe.this , "It is Draw !" , tictactoe.this);
        winDialog.setCancelable(false);
        winDialog.show();
    }
    else {
        changePlayerTurn(2);
        TotalSelectedBoxes++;
    }
}
else{
    imageView.setImageResource(R.drawable.tic1);
    if(checkPlayerWin()){
        winDialog winDialog = new winDialog(tictactoe.this , playerTwoName.getText().toString() + "Has Won
The Match" , tictactoe.this);
        winDialog.setCancelable(false);
        winDialog.show();

    }
    else if(selectedBoxPosition == 9){
        winDialog winDialog = new winDialog(tictactoe.this , "It is Draw !" , tictactoe.this);
        winDialog.setCancelable(false);
        winDialog.show();
    }
    else {

        changePlayerTurn(1);
        TotalSelectedBoxes++;
    }
}

}

private void changePlayerTurn (int currentPlayerTurn){
    playerTurn = currentPlayerTurn;
    if(playerTurn == 1){
        playerOneLayout.setBackgroundResource(R.drawable.round_black_blue_border);
        playerTwoLayout.setBackgroundResource(R.drawable.round_back_dark_blue);
    }
    else{
        playerOneLayout.setBackgroundResource(R.drawable.round_back_dark_blue);
        playerTwoLayout.setBackgroundResource(R.drawable.round_black_blue_border);
    }
}

private boolean checkPlayerWin(){
    boolean response = false ;
    for(int i=0 ; i<combinationsList.size() ; i++){
        int[] combination = combinationsList.get(i);

        if(boxPositions[combination[0]] == playerTurn && boxPositions[combination[1]] == playerTurn &&
boxPositions[combination[2]] == playerTurn ) {
            response = true;
        }
    }
}

```

```
        return response;
    }
    public void restartTheMatch(){
        boxPositions = new int[] {0,0,0,0,0,0,0,0,0};
        playerTurn = 1;
        TotalSelectedBoxes = 1;
        image1.setImageResource(R.drawable.transparent);
        image2.setImageResource(R.drawable.transparent);
        image3.setImageResource(R.drawable.transparent);
        image4.setImageResource(R.drawable.transparent);
        image5.setImageResource(R.drawable.transparent);
        image6.setImageResource(R.drawable.transparent);
        image7.setImageResource(R.drawable.transparent);
        image8.setImageResource(R.drawable.transparent);
        image9.setImageResource(R.drawable.transparent);

    }
}
```

activity_tictactoe.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/bluohohoh"
    tools:context=".tictactoe">

    <LinearLayout
        android:layout_above="@+id/container"
        android:layout_alignParentTop="true"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
```

```
android:orientation="horizontal">
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:id="@+id/playerTwoLayout"
    android:layout_width="120dp"
    android:layout_height="113dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="93dp"
    android:layout_marginBottom="560dp"
    android:background="@drawable/round_back_dark_blue"
    android:gravity="center"
    android:orientation="vertical">
```

```
<TextView
```

```
    android:maxLines="1"
    android:id="@+id/playertwoName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="Player Two"
    android:textColor="#FFFFFFF"
    android:textSize="16sp"
    android:textStyle="bold" />
```

```
<ImageView
```

```
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:layout_marginTop="20dp"
    android:layout_marginBottom="20dp"
    android:src="@drawable/tic1" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:id="@+id/playerOneLayout"
    android:layout_width="120dp"
    android:layout_height="113dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="231dp"
    android:layout_marginBottom="560dp"
    android:background="@drawable/round_black_blue_border"
    android:gravity="center"
    android:orientation="vertical">
```

```
<TextView
```

```
    android:maxLines="1"
    android:id="@+id/playerOneName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:gravity="center"
```

```
        android:text="Player One"
        android:textColor="#FFFFFF"
        android:textSize="16sp"
        android:textStyle="bold" />
```

<ImageView

```
        android:layout_width="32dp"
        android:layout_height="40dp"
        android:layout_gravity="center"
        android:layout_marginTop="20dp"
        android:layout_marginBottom="20dp"
        android:src="@drawable/tic2" />
```

</LinearLayout>

<LinearLayout

```
        android:id="@+id/container"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="10dp"
        android:layout_marginEnd="10dp"
        android:orientation="vertical"
        android:background="@drawable/round_back_purple"
        android:layout_marginBottom="50dp">
```

<LinearLayout

```
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:weightSum="3">
```

<ImageView

```
        android:id="@+id/image1"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="5dp"
        android:layout_marginStart="10dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
        android:id="@+id/image2"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="5dp"
        android:layout_marginStart="5dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
```

```
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
        android:id="@+id/image3"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="10dp"
        android:layout_marginStart="5dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

</LinearLayout>

<LinearLayout

```
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:weightSum="3">
```

<ImageView

```
        android:id="@+id/image4"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="5dp"
        android:layout_marginStart="10dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
        android:id="@+id/image5"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="5dp"
        android:layout_marginStart="5dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
        android:id="@+id/image6"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="10dp"
```



```
        android:layout_marginStart="5dp"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:adjustViewBounds="true"
        android:padding="20dp"
        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>
```

</LinearLayout>

<LinearLayout

```
    android:layout_marginBottom="10dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:weightSum="3">
```

<ImageView

```
    android:id="@+id/image7"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="5dp"
    android:layout_marginStart="10dp"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:adjustViewBounds="true"
    android:padding="20dp"
    android:src="@drawable/transparent"
    android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
    android:id="@+id/image8"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="5dp"
    android:layout_marginStart="5dp"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:adjustViewBounds="true"
    android:padding="20dp"
    android:src="@drawable/transparent"
    android:background="@drawable/round_back_dark_blue"/>
```

<ImageView

```
    android:id="@+id/image9"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="10dp"
    android:layout_marginStart="5dp"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:adjustViewBounds="true"
    android:padding="20dp"
```

```

        android:src="@drawable/transparent"
        android:background="@drawable/round_back_dark_blue"/>

    </LinearLayout>

</LinearLayout>

</RelativeLayout>

```

winDialog.java

```

package com.example.app60;

import android.app.Dialog;
import android.content.Context;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

import androidx.annotation.NonNull;

public class winDialog extends Dialog {

    private final String message ;
    private final tictactoe tictactoe;

    public winDialog(@NonNull Context context , String message , tictactoe tictactoe) {
        super(context);
        this.message = message ;
        this.tictactoe = tictactoe ;
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.win_dialog_layout);

        TextView messageTxt = (TextView) findViewById(R.id.messageTxt);
        Button startAgainBtn = (Button) findViewById(R.id.startAgainBtn);

        messageTxt.setText(message);

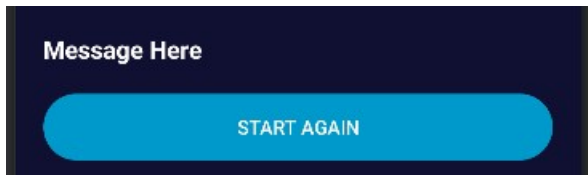
        startAgainBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                tictactoe.restartTheMatch();
                dismiss();
            }
        }
    }

```

```
});  
}  
}
```

win_dialog_layout.xml



```
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent">  
  
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:background="@color/dark_blue"  
        android:orientation="vertical">  
  
        <TextView  
            android:id="@+id/messageTxt"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:gravity="center"  
            android:layout_marginTop="20dp"  
            android:layout_marginEnd="20dp"  
            android:layout_marginStart="20dp"  
            android:text="Message Here"  
            android:textSize="18sp"  
            android:textColor="#FFFFFF"  
            android:textStyle="bold"/>  
  
        <androidx.appcompat.widget.AppCompatButton  
            android:id="@+id/startAgainBtn"  
            android:layout_width="match_parent"  
            android:layout_height="wrap_content"  
            android:layout_margin="20dp"  
            android:background="@drawable/round_back_blue1000"  
            android:textColor="#FFFFFF"  
            android:text="Start Again"  
        />  
  
    </LinearLayout>  
  
</RelativeLayout>
```

quiz.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;
    static int score=0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(r3.isChecked()){
                    ++score;
                }
                else
                {
                    --score;
                }
                Intent i1 = new Intent(quiz.this , quiz2.class);
```

```

        startActivity(i1);
        finish();
    }
});
}
}

```

activity_quiz.xml

Q.1 'OS' computer abbreviation usually means ?

- ☐ Order Of Significance
- ☐ Open Software
- ☐ Operating System
- ☐ Optical Sensor



NEXT QUESTION

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"

```

```
android:layout_marginStart="0dp"
android:layout_marginLeft="0dp"
android:layout_marginTop="65dp"
android:text="Q.1 'OS' computer abbreviation usually means ?"
android:textColor="#000000"
android:textSize="20sp" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:background="#F6EF EF"
android:text="Next Question"
android:textColor="#F10808" />
```

<RadioGroup

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_above="@+id/button"
android:layout_below="@+id/textView"
android:layout_alignEnd="@+id/textView"
android:layout_alignRight="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginStart="50dp"
android:layout_marginLeft="1dp"
android:layout_marginTop="-2dp"
android:layout_marginEnd="-1dp"
android:layout_marginRight="-1dp"
android:layout_marginBottom="20dp">
```

<RadioButton

```
android:id="@+id/radioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Order Of Significance"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Open Software"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
```

```

        android:text="Operating System"
        android:textColor="#F80909"
        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Optical Sensor"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz2.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz2 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz2);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override

```

```

public void onClick(View view) {
    if(r2.isChecked()){
        ++quiz.score;
    }
    else
    {
        --quiz.score;
    }
    Intent i1 = new Intent(quiz2.this , quiz3.class);
    startActivity(i1);
    finish();
}
});
}
}

```

activity_quiz2.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz2">

```



```
<TextView
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="65dp"
    android:text="Q.2 'MOV' extension refers usually to what kind of file ?"
    android:textColor="#000000"
    android:textSize="20sp" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:background="#F6EF EF"
    android:text="Next Question"
    android:textColor="#F10808" />
```

```
<RadioGroup
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_above="@+id/button"
    android:layout_below="@+id/textView"
    android:layout_alignEnd="@+id/textView"
    android:layout_alignRight="@+id/textView"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="50dp"
    android:layout_marginLeft="1dp"
    android:layout_marginTop="-2dp"
    android:layout_marginEnd="-1dp"
    android:layout_marginRight="-1dp"
    android:layout_marginBottom="20dp">
```

```
<RadioButton
    android:id="@+id/radioButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Image File "
    android:textColor="#F80909"
    android:textSize="16sp" />
```

```
<RadioButton
    android:id="@+id/radioButton2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Animation/Movie file"
    android:textColor="#F80909"
```

```

        android:textSize="16sp" />

        <RadioButton
            android:id="@+id/radioButton3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:checked="false"
            android:text="Audio file"
            android:textColor="#F80909"
            android:textSize="16sp" />

        <RadioButton
            android:id="@+id/radioButton4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:checked="false"
            android:text="MS office document"
            android:textColor="#F80909"
            android:textSize="16sp" />
    </RadioGroup>
</RelativeLayout>

```

quiz3.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz3 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz3);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
    }
}

```

```

r1=(RadioButton)findViewById(R.id.radioButton);
r2=(RadioButton)findViewById(R.id.radioButton2);
r3=(RadioButton)findViewById(R.id.radioButton3);
r4=(RadioButton)findViewById(R.id.radioButton4);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(r3.isChecked()){
            ++quiz.score;
        }
        else
        {
            --quiz.score;
        }
        Intent i1 = new Intent(quiz3.this , quiz4.class);
        startActivity(i1);
        finish();
    }
});
}
}

```

activity_quiz3.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz3">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="65dp"
        android:text="Q.3 'MPG' extension refers usually what kind of file ?"
        android:textColor="#000000"
        android:textSize="20sp" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:background="#F6EDEF"
        android:text="Next Question"
        android:textColor="#F10808" />

    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_above="@+id/button"
        android:layout_below="@+id/textView"
        android:layout_alignEnd="@+id/textView"
        android:layout_alignRight="@+id/textView"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_marginStart="50dp"
        android:layout_marginLeft="1dp"
        android:layout_marginTop="-2dp"
        android:layout_marginEnd="-1dp"
        android:layout_marginRight="-1dp"
        android:layout_marginBottom="20dp">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:checked="false"
            android:text="Word Perfect Document file"
            android:textColor="#F80909"

```

```

        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="MS Office Document"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Animation/Movie file"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Image File"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz4.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz4 extends AppCompatActivity {

```

```

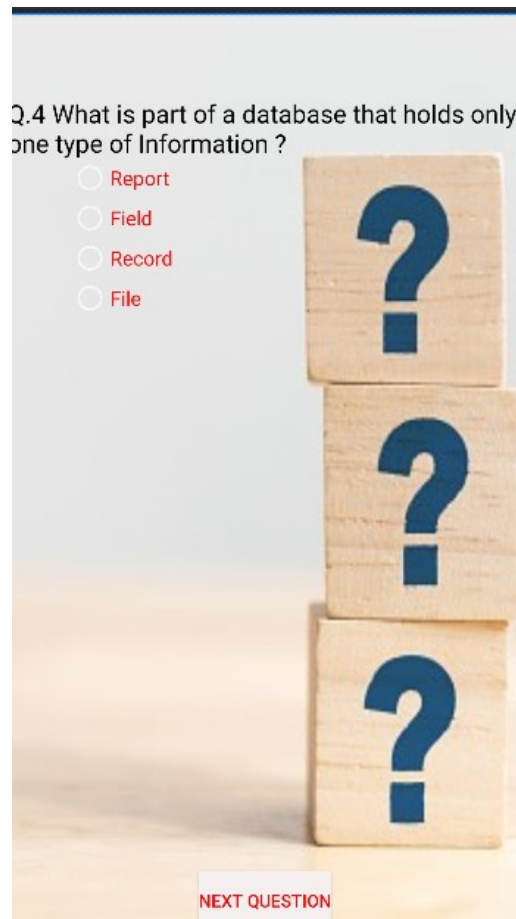
Button b1;
RadioButton r1,r2,r3,r4;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_quiz4);
    getSupportActionBar().setTitle("Quiz ?");

    b1=(Button)findViewById(R.id.button);
    r1=(RadioButton)findViewById(R.id.radioButton);
    r2=(RadioButton)findViewById(R.id.radioButton2);
    r3=(RadioButton)findViewById(R.id.radioButton3);
    r4=(RadioButton)findViewById(R.id.radioButton4);
    b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if(r2.isChecked()){
                ++quiz.score;
            }
            else
            {
                --quiz.score;
            }
            Intent i1 = new Intent(quiz4.this , quiz5.class);
            startActivity(i1);
            finish();
        }
    });
}
}

```

activity_quiz4.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz4">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="65dp"
        android:text="Q.4 What is part of a database that holds only one type of Information ?"
        android:textColor="#000000"
        android:textSize="20sp" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:background="#F6EFEF"
android:text="Next Question"
android:textColor="#F10808" />
```

<RadioGroup

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_above="@+id/button"
android:layout_below="@+id/textView"
android:layout_alignEnd="@+id/textView"
android:layout_alignRight="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginStart="50dp"
android:layout_marginLeft="1dp"
android:layout_marginTop="-2dp"
android:layout_marginEnd="-1dp"
android:layout_marginRight="-1dp"
android:layout_marginBottom="20dp">
```

<RadioButton

```
android:id="@+id/radioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Report"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Field"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Record"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton


```

        android:id="@+id/radioButton4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:checked="false"
        android:text="File"
        android:textColor="#F80909"
        android:textSize="16sp" />
    </RadioGroup>

</RelativeLayout>

```

quiz5.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz5 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz5);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(r2.isChecked()){
                    ++quiz.score;
                }
                else

```

```

    {
        --quiz.score;
    }
    Intent i1 = new Intent(quiz5.this , quiz6.class);
    startActivity(i1);
    finish();
}
});
}
}

```

activity_quiz5.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz5">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"

```

```
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_marginStart="0dp"
android:layout_marginLeft="0dp"
android:layout_marginTop="65dp"
android:text="Q.5 Who developed Yahoo ?"
android:textColor="#000000"
android:textSize="20sp" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:background="#F6EF EF"
android:text="Next Question"
android:textColor="#F10808" />
```

<RadioGroup

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_above="@+id/button"
android:layout_below="@+id/textView"
android:layout_alignEnd="@+id/textView"
android:layout_alignRight="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginStart="50dp"
android:layout_marginLeft="1dp"
android:layout_marginTop="-2dp"
android:layout_marginEnd="-1dp"
android:layout_marginRight="-1dp"
android:layout_marginBottom="20dp">
```

<RadioButton

```
android:id="@+id/radioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Dennis Ritchie and Ken Thompson"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="David Filo and Jerry Yang"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton3"
android:layout_width="wrap_content"
```

```

        android:layout_height="wrap_content"
        android:checked="false"
        android:text="Vint Cerf and Robert Kahn"
        android:textColor="#F80909"
        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Steve case and Jeff Bezos"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz6.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz6 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz6);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
    }
}

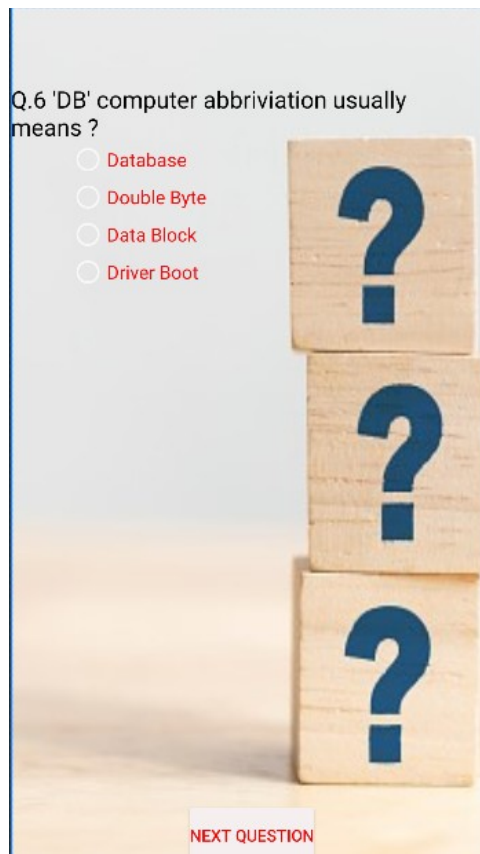
```

```

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(r1.isChecked()){
            ++quiz.score;
        }
        else
        {
            --quiz.score;
        }
        Intent i1 = new Intent(quiz6.this , quiz7.class);
        startActivity(i1);
        finish();
    }
});
}
}

```

activity_quiz6.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"

```

```
tools:context=".quiz6">
```

<TextView

```
    android:id="@+id/textView"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentLeft="true"  
    android:layout_alignParentTop="true"  
    android:layout_marginStart="0dp"  
    android:layout_marginLeft="0dp"  
    android:layout_marginTop="65dp"  
    android:text="Q.6 'DB' computer abbreviation usually means ?"  
    android:textColor="#000000"  
    android:textSize="20sp" />
```

<Button

```
    android:id="@+id/button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentBottom="true"  
    android:layout_centerHorizontal="true"  
    android:background="#F6EF EF"  
    android:text="Next Question"  
    android:textColor="#F10808" />
```

<RadioGroup

```
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:layout_above="@+id/button"  
    android:layout_below="@+id/textView"  
    android:layout_alignEnd="@+id/textView"  
    android:layout_alignRight="@+id/textView"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentLeft="true"  
    android:layout_marginStart="50dp"  
    android:layout_marginLeft="1dp"  
    android:layout_marginTop="-2dp"  
    android:layout_marginEnd="-1dp"  
    android:layout_marginRight="-1dp"  
    android:layout_marginBottom="20dp">
```

<RadioButton

```
    android:id="@+id/radioButton"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:checked="false"  
    android:text="Database"  
    android:textColor="#F80909"  
    android:textSize="16sp" />
```

<RadioButton

```
    android:id="@+id/radioButton2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:checked="false"
```

```

        android:text="Double Byte"
        android:textColor="#F80909"
        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Data Block"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Driver Boot"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz7.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz7 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz7);
    }
}

```

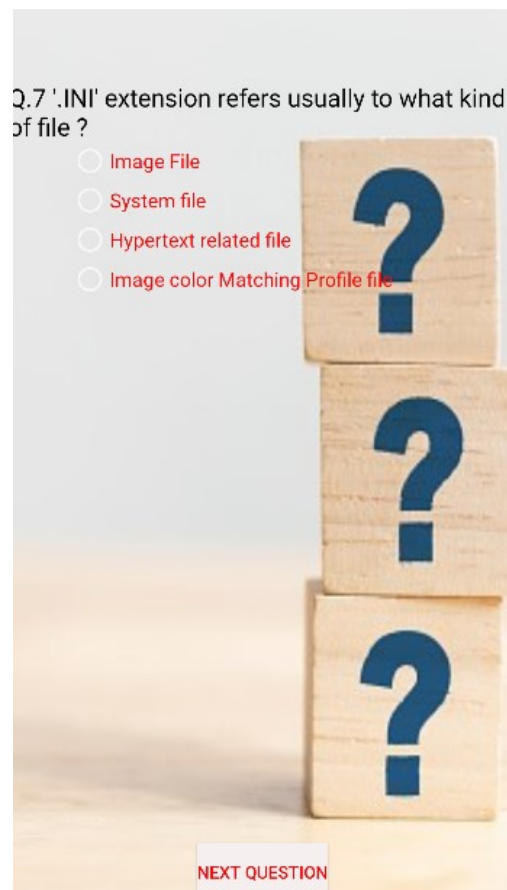
```

getSupportActionBar().setTitle("Quiz ?");

b1=(Button)findViewById(R.id.button);
r1=(RadioButton)findViewById(R.id.radioButton);
r2=(RadioButton)findViewById(R.id.radioButton2);
r3=(RadioButton)findViewById(R.id.radioButton3);
r4=(RadioButton)findViewById(R.id.radioButton4);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(r2.isChecked()){
            ++quiz.score;
        }
        else
        {
            --quiz.score;
        }
        Intent i1 = new Intent(quiz7.this , quiz8.class);
        startActivity(i1);
        finish();
    }
});
}
}

```

activity_quiz7.xml




```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz7">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="65dp"
        android:text="Q.7 '.INI' extension refers usually to what kind of file ?"
        android:textColor="#000000"
        android:textSize="20sp" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:background="#F6EDEF"
        android:text="Next Question"
        android:textColor="#F10808" />

    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_above="@+id/button"
        android:layout_below="@+id/textView"
        android:layout_alignEnd="@+id/textView"
        android:layout_alignRight="@+id/textView"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_marginStart="50dp"
        android:layout_marginLeft="1dp"
        android:layout_marginTop="-2dp"
        android:layout_marginEnd="-1dp"
        android:layout_marginRight="-1dp"
        android:layout_marginBottom="20dp">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:checked="false"
            android:text="Image File"
            android:textColor="#F80909"

```

```

        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="System file"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Hypertext related file"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Image color Matching Profile file"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz8.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz8 extends AppCompatActivity {

```

```

Button b1;
RadioButton r1,r2,r3,r4;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_quiz8);
    getSupportActionBar().setTitle("Quiz ?");

    b1=(Button)findViewById(R.id.button);
    r1=(RadioButton)findViewById(R.id.radioButton);
    r2=(RadioButton)findViewById(R.id.radioButton2);
    r3=(RadioButton)findViewById(R.id.radioButton3);
    r4=(RadioButton)findViewById(R.id.radioButton4);
    b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if(r3.isChecked()){
                ++quiz.score;
            }
            else
            {
                --quiz.score;
            }
            Intent i1 = new Intent(quiz8.this , quiz9.class);
            startActivity(i1);
            finish();
        }
    });
}
}

```

activity_quiz8.xml

Q.8 The sampling rate , (how many samples per seconds are stored) for a CD is ?

- ☐ 48.4 kHz
- ☐ 22,050 Hz
- ☐ 44.1 kHz
- ☐ 48 kHz



NEXT QUESTION

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz8">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="65dp"
        android:text="Q.8 The sampling rate , ( how many samples per seconds are stored ) for a CD is ?"
        android:textColor="#000000"
        android:textSize="20sp" />

    <Button
        android:id="@+id/button"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:background="#F6EFEF"
android:text="Next Question"
android:textColor="#F10808" />
```

<RadioGroup

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_above="@+id/button"
android:layout_below="@+id/textView"
android:layout_alignEnd="@+id/textView"
android:layout_alignRight="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginStart="50dp"
android:layout_marginLeft="1dp"
android:layout_marginTop="-2dp"
android:layout_marginEnd="-1dp"
android:layout_marginRight="-1dp"
android:layout_marginBottom="20dp">
```

<RadioButton

```
android:id="@+id/radioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="48.4 kHz"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="22,050 Hz"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="44.1 kHz"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
```

```

        android:text="48 kHz"
        android:textColor="#F80909"
        android:textSize="16sp" />
    </RadioGroup>

</RelativeLayout>

```

quiz9.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz9 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz9);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(r3.isChecked()){
                    ++quiz.score;
                }
                else
                {
                    --quiz.score;
                }
                Intent i1 = new Intent(quiz9.this , quiz10.class);
            }
        });
    }
}

```

```

        startActivity(i1);
        finish();
    }
});
}
}

```

activity_quiz9.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/quiz1"
    tools:context=".quiz9">

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"

```

```
android:layout_alignParentTop="true"
android:layout_marginStart="0dp"
android:layout_marginLeft="0dp"
android:layout_marginTop="65dp"
android:text="Q.9 What is FMD ?"
android:textColor="#000000"
android:textSize="20sp" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:background="#F6EF EF"
android:text="Next Question"
android:textColor="#F10808" />
```

<RadioGroup

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_above="@+id/button"
android:layout_below="@+id/textView"
android:layout_alignEnd="@+id/textView"
android:layout_alignRight="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginStart="50dp"
android:layout_marginLeft="1dp"
android:layout_marginTop="-2dp"
android:layout_marginEnd="-1dp"
android:layout_marginRight="-1dp"
android:layout_marginBottom="20dp">
```

<RadioButton

```
android:id="@+id/radioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Fast-Ethernet Measuring Device"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:checked="false"
android:text="Flashing Media Diode"
android:textColor="#F80909"
android:textSize="16sp" />
```

<RadioButton

```
android:id="@+id/radioButton3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```



```

        android:checked="false"
        android:text="Fluorescent Multi-Layer Disc"
        android:textColor="#F80909"
        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Flash media Driver"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quiz10.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quiz10 extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz10);
        getSupportActionBar().setTitle("Quiz ?");

        b1=(Button)findViewById(R.id.button);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {

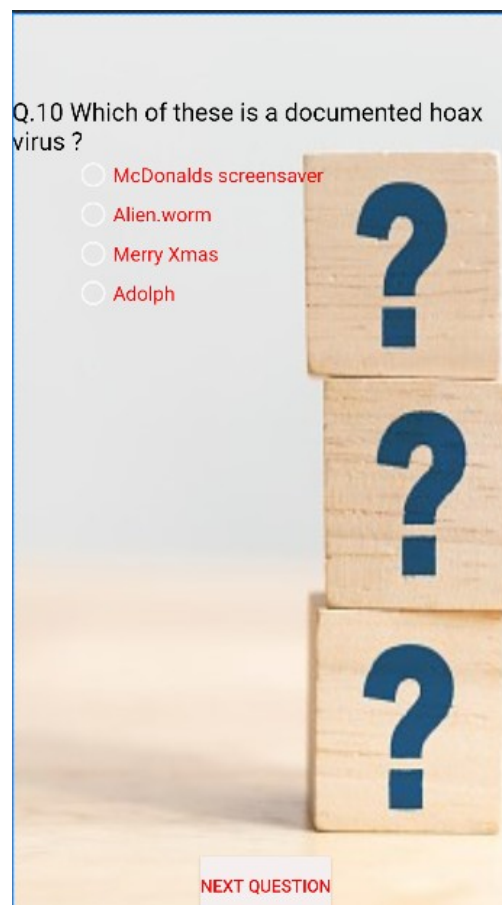
```

```

@Override
public void onClick(View view) {
    if(r1.isChecked()){
        ++quiz.score;
    }
    else
    {
        --quiz.score;
    }
    Intent i1 = new Intent(quiz10.this , quizResult.class);
    startActivity(i1);
    finish();
}
});
}
}

```

activity_quiz10.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
android:background="@drawable/quiz1"
tools:context=".quiz10">
```

<TextView

```
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="65dp"
    android:text="Q.10 Which of these is a documented hoax virus ?"
    android:textColor="#000000"
    android:textSize="20sp" />
```

<Button

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:background="#F6EF EF"
    android:text="Next Question"
    android:textColor="#F10808" />
```

<RadioGroup

```
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_above="@+id/button"
    android:layout_below="@+id/textView"
    android:layout_alignEnd="@+id/textView"
    android:layout_alignRight="@+id/textView"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="50dp"
    android:layout_marginLeft="1dp"
    android:layout_marginTop="-2dp"
    android:layout_marginEnd="-1dp"
    android:layout_marginRight="-1dp"
    android:layout_marginBottom="20dp">
```

<RadioButton

```
        android:id="@+id/radioButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:checked="false"
        android:text="McDonalds screensaver"
        android:textColor="#F80909"
        android:textSize="16sp" />
```

<RadioButton

```
        android:id="@+id/radioButton2"
        android:layout_width="wrap_content"
```

```

        android:layout_height="wrap_content"
        android:checked="false"
        android:text="Alien.worm"
        android:textColor="#F80909"
        android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Merry Xmas"
    android:textColor="#F80909"
    android:textSize="16sp" />

<RadioButton
    android:id="@+id/radioButton4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="Adolph"
    android:textColor="#F80909"
    android:textSize="16sp" />
</RadioGroup>

</RelativeLayout>

```

quizResult.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class quizResult extends AppCompatActivity {

    Button b;
    TextView t;

    @Override

```

```

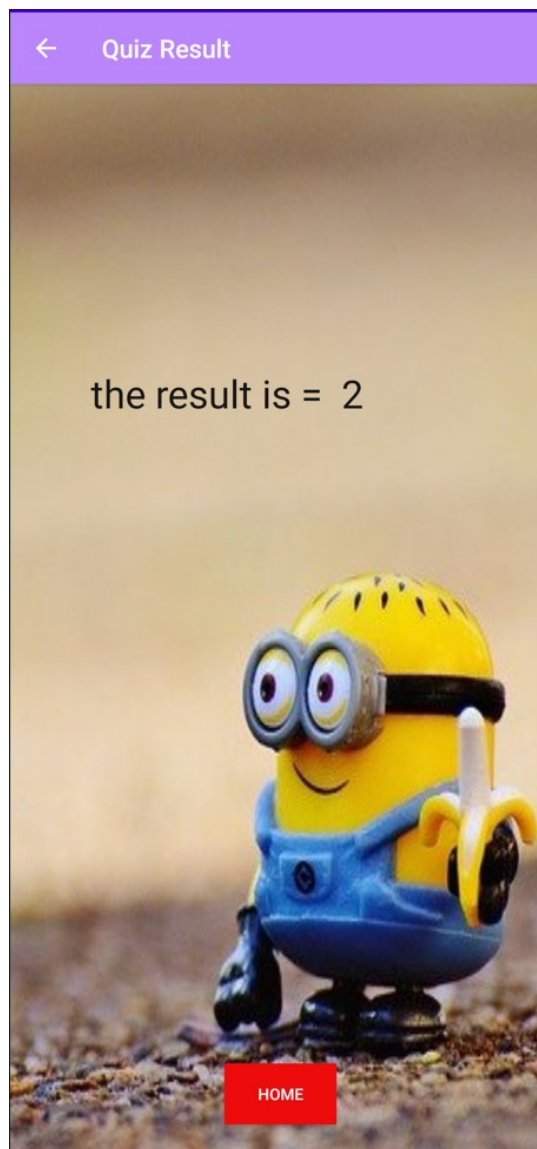
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_quiz_result);
    ActionBar actionBar = getSupportActionBar();
    actionBar.setDisplayHomeAsUpEnabled(true);
    getSupportActionBar().setTitle("Quiz Result");

    b=(Button)findViewById(R.id.button2);
    t=(TextView)findViewById(R.id.textView2);

    t.setText("the result is = "+quiz.score);
    b.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent i1 = new Intent(quizResult.this , games.class);
            startActivity(i1);
            finish();
        }
    });
}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_quiz_result.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/m"
    tools:context=".quizResult">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
```

```
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginStart="63dp"
    android:layout_marginLeft="63dp"
    android:layout_marginTop="222dp"
    android:text="New Text"
    android:textColor="#171616"
    android:textSize="34sp" />
```

<Button

```
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="24dp"
    android:background="#ED0B0B"
    android:text="Home" />
```

</RelativeLayout>

tools.java

```
package com.example.app60;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.media.Image;
```

```
import android.os.Bundle;
```

```
import android.os.Bundle;
```

```
import android.view.MenuItem;
```

```
import android.view.View;
```

```
import android.widget.ImageButton;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.ActionBar;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class tools extends AppCompatActivity {
```

```
    ImageButton ib1,ib2,ib3,ib4,ib5,ib6,ib7,ib8,ib9;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_tools);
```

```
        ActionBar actionBar = getSupportActionBar();
```

```
        actionBar.setDisplayHomeAsUpEnabled(true);
```

```
        getSupportActionBar().setTitle("Tools");
```

```
        ib1=(ImageButton) findViewById(R.id.imageButton5);
```

```
ib2=(ImageButton) findViewById(R.id.imageButton6);
ib3=(ImageButton) findViewById(R.id.imageButton22);
ib4=(ImageButton) findViewById(R.id.imageButton23);
ib5=(ImageButton) findViewById(R.id.imageButton18);
ib6=(ImageButton) findViewById(R.id.imageButton20);
ib7=(ImageButton) findViewById(R.id.imageButton25);
ib8=(ImageButton) findViewById(R.id.imageButton);
ib9=(ImageButton) findViewById(R.id.imageButton27);
```

```
ib1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(tools.this,cal.class);
        startActivity(i);
        //finish();
    }
});
```

```
ib2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(tools.this,media.class);
        startActivity(i);
        //finish();
    }
});
```

```
ib3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(tools.this,tts.class);
        startActivity(i);
        //finish();
    }
});
```

```
ib4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(tools.this,wifi.class);
        startActivity(i);
        //finish();
    }
});
```

```
ib5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(tools.this,bluetooth.class);
        startActivity(i);
        //finish();
    }
});
```

```
ib6.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(tools.this , camera.class);
        startActivity(intent);
    }
});
```



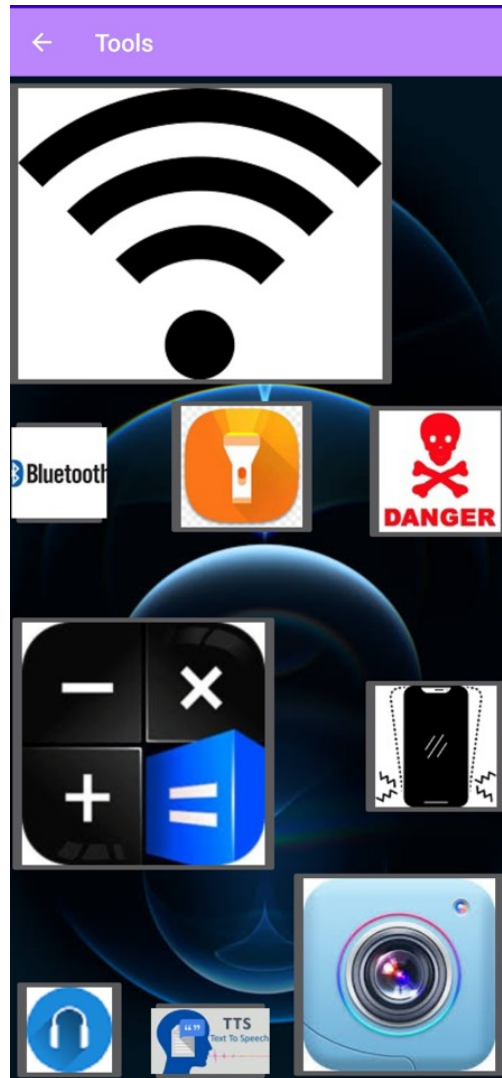
```

        //finish();
    }
});
ib7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(tools.this , torch.class);
        startActivity(intent);
        //finish();
    }
});
ib8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(tools.this , vibrate.class);
        startActivity(intent);
        //finish();
    }
});
ib9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(tools.this,danger.class);
        startActivity(intent);
        //finish();
    }
});
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_tools.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/wal"
    tools:context=".tools">

    <ImageButton
        android:id="@+id/imageButton18"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="3dp"
        android:layout_marginEnd="342dp"
        android:layout_marginBottom="466dp"
```

```
app:srcCompat="@drawable/logo" />
```

<ImageButton

```
    android:id="@+id/imageButton5"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentBottom="true"  
    android:layout_centerVertical="true"  
    android:layout_marginStart="0dp"  
    android:layout_marginBottom="180dp"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.021"  
    app:layout_constraintStart_toStartOf="parent"  
    app:srcCompat="@drawable/cal"  
    tools:layout_editor_absoluteY="6dp" />
```

<ImageButton

```
    android:id="@+id/imageButton22"  
    android:layout_width="85dp"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentBottom="true"  
    android:layout_centerVertical="true"  
    android:layout_marginStart="118dp"  
    android:layout_marginTop="13dp"  
    android:layout_marginEnd="208dp"  
    android:layout_marginBottom="8dp"  
    app:srcCompat="@drawable/images" />
```

<ImageButton

```
    android:id="@+id/imageButton23"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="-3dp"  
    android:layout_marginBottom="4dp"  
    android:baselineAligned="false"  
    app:srcCompat="@drawable/black" />
```

<ImageButton

```
    android:id="@+id/imageButton6"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentStart="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginStart="4dp"  
    android:layout_marginBottom="9dp"  
    app:srcCompat="@drawable/mpplayer" />
```

<ImageButton

```
    android:id="@+id/imageButton20"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentBottom="true"
```

```
        android:layout_marginEnd="10dp"
        android:layout_marginBottom="10dp"
        app:srcCompat="@drawable/camera" />
```

<ImageButton

```
        android:id="@+id/imageButton25"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="262dp"
        android:layout_marginEnd="169dp"
        app:srcCompat="@drawable/torch" />
```

<ImageButton

```
        android:id="@+id/imageButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="9dp"
        android:layout_marginBottom="228dp"
        app:srcCompat="@drawable/vibrate" />
```

<ImageButton

```
        android:id="@+id/imageButton27"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerVertical="true"
        android:layout_marginTop="266dp"
        android:layout_marginEnd="6dp"
        app:srcCompat="@drawable/download" />
```

```
</RelativeLayout>
```

bluethoot.java

```
package com.example.app60;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.bluetooth.BluetoothAdapter;
```

```
import android.bluetooth.BluetoothDevice;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.ImageButton;
```

```
import android.os.Bundle;
```

```
import android.view.MenuItem;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.ActionBar;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```

public class bluethoot extends AppCompatActivity {

    ImageButton lb;
    BluetoothAdapter ba;
    private boolean blue = false;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bluethoot);

        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Bluethooth");

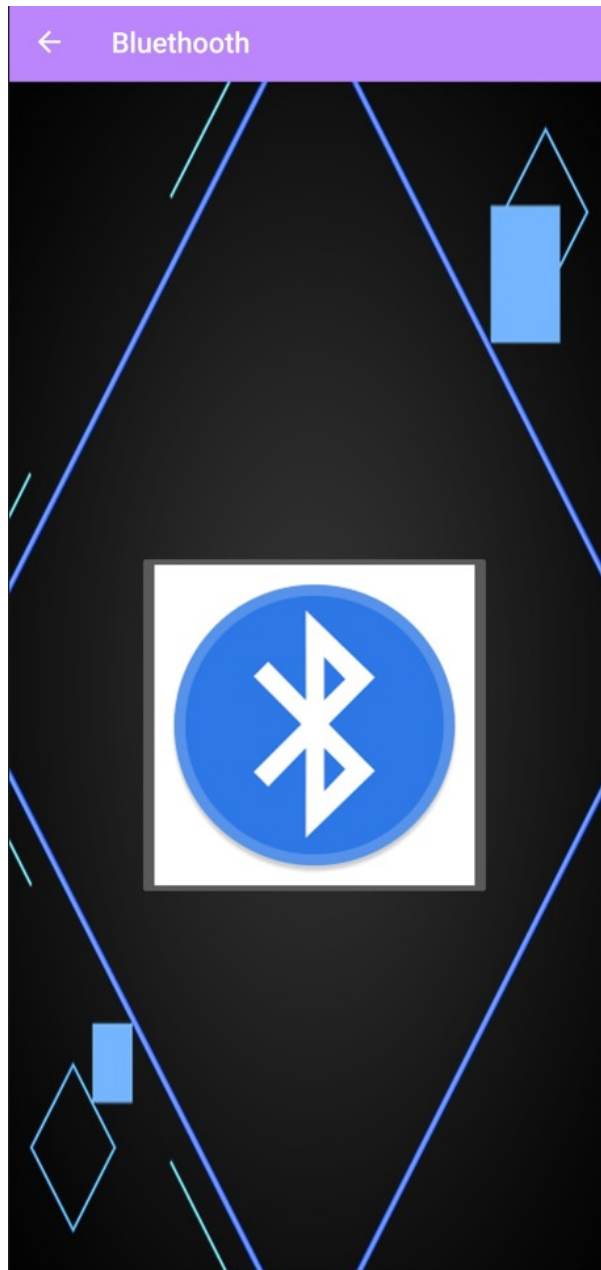
        lb=(ImageButton)findViewById(R.id.imageButton19);
        ba=BluetoothAdapter.getDefaultAdapter();

        lb.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(blue == false)
                {
                    ba.enable();
                    blue=true;
                    lb.setImageResource(R.drawable.on);
                }
                else
                {
                    ba.disable();
                    blue=false;
                    lb.setImageResource(R.drawable.off);
                }
            }
        });
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                this.finish();
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

```

activity_bluethoot.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/bluohohoh"
    tools:context=".bluethoot">

    <ImageButton
        android:id="@+id/imageButton19"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="90dp"
        android:layout_marginBottom="266dp"
        app:srcCompat="@drawable/off" />
</RelativeLayout>
```

torch.java

```
package com.example.app60;

import static com.example.app60.R.id.imageButton26;

import androidx.appcompat.app.AppCompatActivity;

import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.ImageButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;

public class torch extends AppCompatActivity {

    ImageButton b;
    private boolean blue = false;
    CameraManager cm;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_torch);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Torch");

        b=(ImageButton) findViewById(R.id.imageButton26);
        cm=(CameraManager) getSystemService(CAMERA_SERVICE);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(blue == false)
```

```

        {
            try{
                String id = cm.getCameraIdList()[0];
                cm.setTorchMode(id,true);
                blue = true;
                b.setImageResource(R.drawable.dd);
            }
            catch (CameraAccessException e){

            }
        }
        else
        {
            try {
                String id = cm.getCameraIdList()[0];
                cm.setTorchMode(id,false);
                blue = false;
                b.setImageResource(R.drawable.cc);
            }
            catch (CameraAccessException e){

            }
        }
    }
});

}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}
}

```


activity_torch.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/bluohohoh"
    tools:context=".torch">

    <ImageButton
        android:id="@+id/imageButton26"
        android:layout_width="wrap_content"
```

```
        android:layout height="wrap_content"
        android:layout alignParentBottom="true"
        android:layout centerInParent="true"
        android:layout marginBottom="248dp"
        app:srcCompat="@drawable/cc" />

</RelativeLayout>
```

cal.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class cal extends AppCompatActivity {

    EditText e1, e2;
    TextView t1;
    Button b1,b2,b3,b4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_cal);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Calculator");

        e1 = (EditText) findViewById(R.id.editText);
        e2 = (EditText) findViewById(R.id.editText2);
        t1 = (TextView) findViewById(R.id.textView);
```

```

b1 = (Button) findViewById(R.id.button);
b2 = (Button) findViewById(R.id.button2);
b3 = (Button) findViewById(R.id.button3);
b4 = (Button) findViewById(R.id.button4);

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        String s1 = e1.getText().toString();
        String s2 = e2.getText().toString();

        Float i1 = Float.parseFloat(s1);
        Float i2 = Float.parseFloat(s2);

        Float i3 = i1 + i2;

        String s3 = Float.toString(i3);
        t1.setText(s3);
        Toast.makeText(cal.this, "The Result is = "+s3, Toast.LENGTH_SHORT).show();

    }
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        String s1 = e1.getText().toString();
        String s2 = e2.getText().toString();

        Float i1 = Float.parseFloat(s1);
        Float i2 = Float.parseFloat(s2);

        Float i3 = i1 - i2;

        String s3 = Float.toString(i3);
        t1.setText(s3);
        Toast.makeText(cal.this, "The Result is = "+s3, Toast.LENGTH_SHORT).show();

    }
});
b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        String s1 = e1.getText().toString();

```

```

        String s2 = e2.getText().toString();

        Float i1 = Float.parseFloat(s1);
        Float i2 = Float.parseFloat(s2);

        Float i3 = i1 * i2;

        String s3 = Float.toString(i3);
        t1.setText(s3);
        Toast.makeText(cal.this, "The Result is = "+s3, Toast.LENGTH_SHORT).show();
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        String s1 = e1.getText().toString();
        String s2 = e2.getText().toString();

        Float i1 = Float.parseFloat(s1);
        Float i2 = Float.parseFloat(s2);

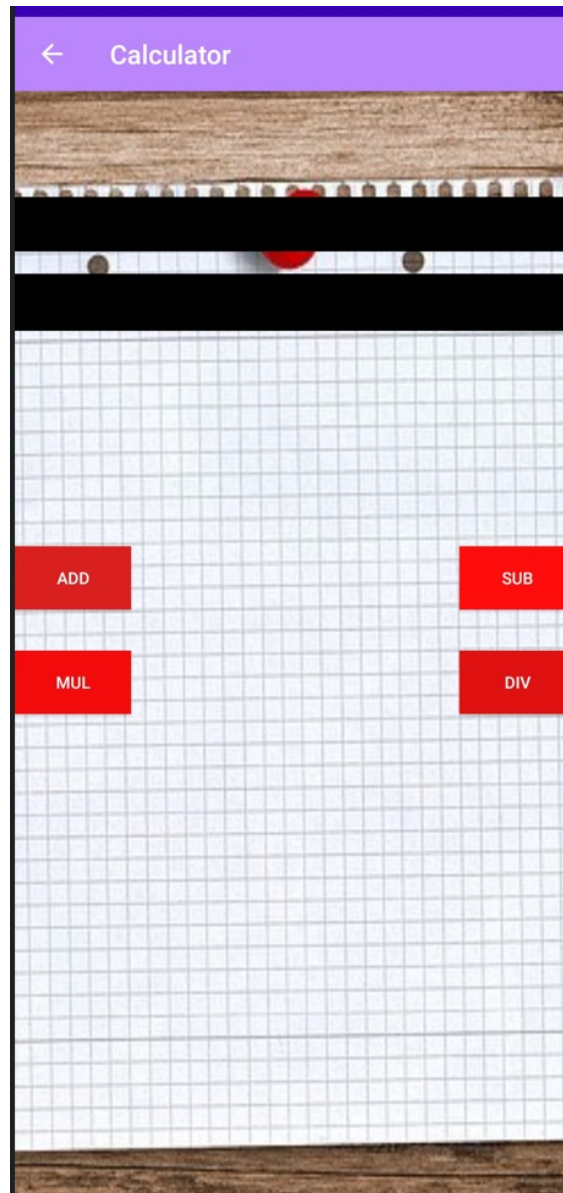
        Float i3 = i1 / i2;

        String s3 = Float.toString(i3);
        t1.setText(s3);
        Toast.makeText(cal.this, "The Result is = "+s3, Toast.LENGTH_SHORT).show();
    }
});

}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_cal.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/calc"
    tools:context=".cal">

    <EditText
        android:id="@+id/editText"
        android:layout_width="match_parent"
        android:layout_height="41dp"
```

```
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_marginTop="80dp"
android:background="@color/black" />
```

<EditText

```
android:id="@+id/editText2"
android:layout_width="match_parent"
android:layout_height="43dp"
android:layout_below="@+id/editText"
android:layout_centerHorizontal="true"
android:layout_marginTop="17dp"
android:background="@color/black" />
```

<TextView

```
android:id="@+id/textView"
android:layout_width="wrap_content"
android:layout_height="99dp"
android:layout_below="@+id/editText2"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentEnd="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="147dp"
android:layout_marginLeft="147dp"
android:layout_marginTop="31dp"
android:layout_marginEnd="4dp"
android:textColor="#0C0B0B"
android:textSize="48sp" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_marginTop="33dp"
android:background="#DA1F1F"
android:text="ADD" />
```

<Button

```
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignEnd="@+id/editText2"
android:layout_alignRight="@+id/editText2"
android:layout_alignBottom="@+id/button"
android:background="#FF0C0C"
android:text="sub" />
```

```

<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/button"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginTop="31dp"
    android:background="#F40B0B"
    android:text="mul" />

<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignTop="@+id/button3"
    android:layout_alignEnd="@+id/button2"
    android:layout_alignRight="@+id/button2"
    android:background="#DF1111"
    android:text="div" />

</RelativeLayout>

```

vibrate.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Build;
import android.os.Bundle;
import android.os.Bundle;
import android.os.Vibrator;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.CompoundButton;
import android.widget.Toast;
import android.widget.ToggleButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class vibrate extends AppCompatActivity {

```

```

ToggleButton b1;
Vibrator v1;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_vibrate);
    getSupportActionBar().setTitle("Vibrator");
    ActionBar actionBar = getSupportActionBar();
    actionBar.setDisplayHomeAsUpEnabled(true);

    b1=(ToggleButton) findViewById(R.id.toggleButton);
    v1=(Vibrator)getSystemService(VIBRATOR_SERVICE);

    b1.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
        @Override
        public void onCheckedChanged(CompoundButton compoundButton, boolean b) {

            if(b){
                v1.vibrate(10000);
            }
            else{
                Toast.makeText(vibrate.this, "Wait For 10 Seconds", Toast.LENGTH_SHORT).show();
            }

        }
    });
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```


activity_vibrate.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/bluohohoh"
    tools:context=".vibrate">

    <ToggleButton
        android:id="@+id/toggleButton"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="ToggleButton"
        android:textOff="Click To Vibrate"
        android:textOn="click to Off Vibration"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        tools:layout_editor_absoluteY="308dp" />
</RelativeLayout>
```

tts.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import java.util.Locale;

public class tts extends AppCompatActivity {

    EditText e1;
    ImageButton b1;
    TextToSpeech ts;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tts);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Text To Speech");

        e1=(EditText)findViewById(R.id.editText);
```

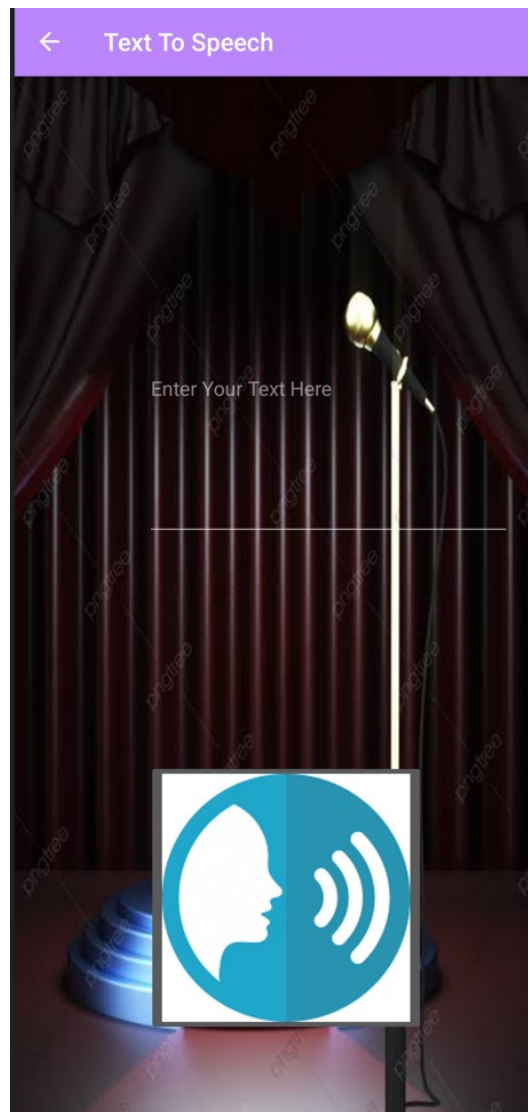
```

b1=(ImageButton) findViewById(R.id.imageButton12);
ts = new TextToSpeech(this, new TextToSpeech.OnInitListener() {
    @Override
    public void onInit(int i) {
        ts.setLanguage(Locale.ENGLISH);
        ts.setSpeechRate(0.9f);
    }
});
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String s1 = e1.getText().toString();
        ts.speak(s1,TextToSpeech.QUEUE_FLUSH,null);
    }
});

}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_tts.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/ttttss"
    tools:context=".tts">

    <EditText
        android:id="@+id/editText"
        android:layout_width="294dp"
        android:layout_height="243dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
```

```

        android:layout_centerHorizontal="true"
        android:layout_marginStart="106dp"
        android:layout_marginTop="130dp"
        android:ems="10"
        android:hint="Enter Your Text Here"
        android:inputType="textPersonName" />

```

```

<ImageButton
    android:id="@+id/imageButton12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="107dp"
    android:layout_marginBottom="68dp"
    app:srcCompat="@drawable/tststststs" />
</RelativeLayout>

```

media.java

```

package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorManager;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class media extends AppCompatActivity {

    Button b2;
    MediaPlayer mp , mp2 , mp3 , mp4 , mp5 , mp6 , mp7 , mp8 , mp9 ;
    ImageButton ib1,ib2,ib3,ib4,ib5,ib6,ib7,ib8,ib9;

    @Override
    protected void onCreate(Bundle savedInstanceState) {

```

```

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_media);
ActionBar actionBar = getSupportActionBar();
actionBar.setDisplayHomeAsUpEnabled(true);
getSupportActionBar().setTitle("Music");

b2 = (Button) findViewById(R.id.button2);
ib1 = (ImageButton) findViewById(R.id.imageButton8);
ib2 = (ImageButton) findViewById(R.id.imageButton9);
ib3 = (ImageButton) findViewById(R.id.imageButton11);
ib4 = (ImageButton) findViewById(R.id.imageButton7);
ib5 = (ImageButton) findViewById(R.id.imageButton10);
ib6 = (ImageButton) findViewById(R.id.imageButton13);
ib7 = (ImageButton) findViewById(R.id.imageButton14);
ib8 = (ImageButton) findViewById(R.id.imageButton15);
ib9 = (ImageButton) findViewById(R.id.imageButton16);

mp = MediaPlayer.create(this, R.raw.tandav);
mp2 = MediaPlayer.create(this, R.raw.han);
mp3 = MediaPlayer.create(this, R.raw.sii);
mp4 = MediaPlayer.create(this, R.raw.hara);
mp5 = MediaPlayer.create(this, R.raw.bolo);
mp6 = MediaPlayer.create(this, R.raw.bhaaang);
mp7 = MediaPlayer.create(this, R.raw.miyiyi);
mp8 = MediaPlayer.create(this, R.raw.durga);
mp9 = MediaPlayer.create(this, R.raw.rama);

ib1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        mp.start();
    }
});
ib2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        mp2.start();
    }
});
ib3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        mp3.start();
    }
});
ib4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        mp4.start();
    }
});
ib5.setOnClickListener(new View.OnClickListener() {
    @Override

```

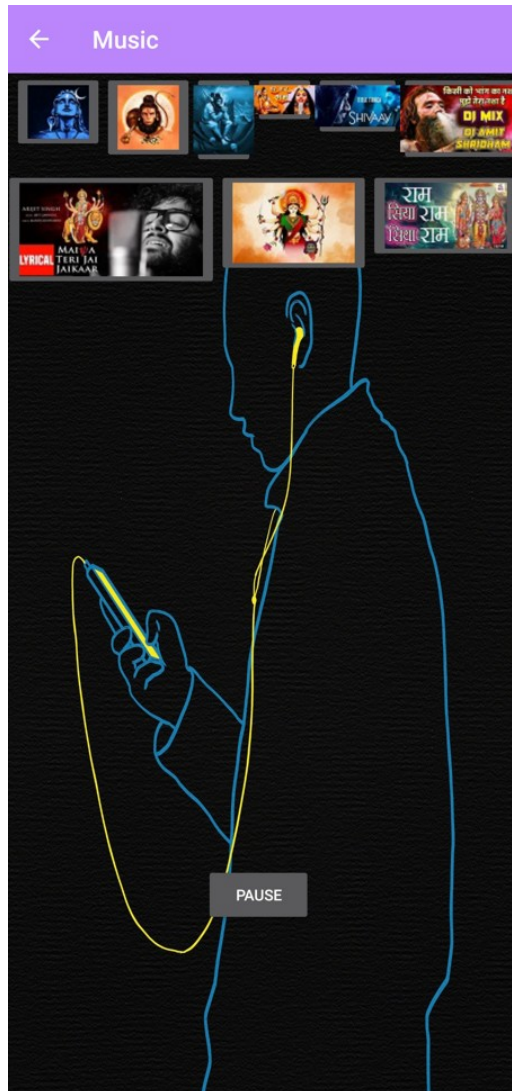
```

        public void onClick(View view) {
            mp5.start();
        }
    });
    ib6.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mp6.start();
        }
    });
    ib7.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mp7.start();
        }
    });
    ib8.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mp8.start();
        }
    });
    ib9.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mp9.start();
        }
    });
    b2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mp.pause();
            mp2.pause();
            mp3.pause();
            mp4.pause();
            mp5.pause();
            mp6.pause();
            mp7.pause();
            mp8.pause();
            mp9.pause();
        }
    });
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_media.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/pppppp"
    tools:context=".media">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="80dp"
        android:orientation="horizontal">

        <ImageButton
```



```
android:id="@+id/imageButton14"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
app:srcCompat="@drawable/maiya" />
```

<ImageButton

```
android:id="@+id/imageButton15"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
app:srcCompat="@drawable/durga" />
```

<ImageButton

```
android:id="@+id/imageButton16"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
app:srcCompat="@drawable/ram" />
```

</LinearLayout>

<Button

```
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="164dp"
android:layout_marginTop="650dp"
android:text="pause" />
```

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:orientation="vertical">
```

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="horizontal">
```

<ImageButton

```
android:id="@+id/imageButton8"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="7dp"
android:layout_marginBottom="656dp"
```

```
        app:srcCompat="@drawable/shiva" />

<ImageButton
    android:id="@+id/imageButton9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/hanu" />

<ImageButton
    android:id="@+id/imageButton11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    app:srcCompat="@drawable/si" />

<ImageButton
    android:id="@+id/imageButton7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    app:srcCompat="@drawable/har" />

<ImageButton
    android:id="@+id/imageButton10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    app:srcCompat="@drawable/maa" />

<ImageButton
    android:id="@+id/imageButton13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    app:srcCompat="@drawable/bhang" />

</LinearLayout>

</LinearLayout>

</RelativeLayout>
```

camera.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.ImageButton;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class camera extends AppCompatActivity {

    ImageButton b1, b2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_camera);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Camera");

        b1=(ImageButton) findViewById(R.id.imageButton21);
        b2=(ImageButton) findViewById(R.id.imageButton24);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(camera.this , photo.class);
                startActivity(intent);
                //finish();
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(camera.this , video.class);
                startActivity(intent);
                //finish();
            }
        });
    }
}
```

```

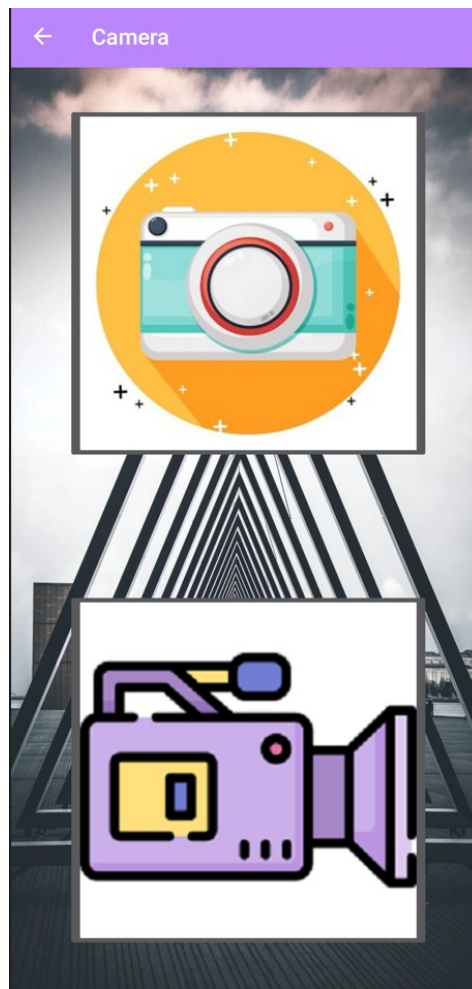
});

}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_camera.xml



```

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

```

```
android:background="@drawable/mybackkkkkkkk"
tools:context=".camera">
```

```
<ImageButton
```

```
    android:id="@+id/imageButton21"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="34dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:srcCompat="@drawable/photocamera"
    tools:layout_editor_absoluteY="45dp" />
```

```
<ImageButton
```

```
    android:id="@+id/imageButton24"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="52dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.505"
    app:layout_constraintStart_toStartOf="parent"
    app:srcCompat="@drawable/videocamera"
    tools:layout_editor_absoluteY="369dp" />
```

```
</RelativeLayout>
```

photo.java

```
package com.example.app60;
```

```
import android.content.Intent;
import android.graphics.Bitmap;
import android.os.IInterface;
import android.provider.MediaStore;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.Toast;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;
```

```

public class photo extends AppCompatActivity {

    ImageButton b;
    ImageView i1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_photo);
        getSupportActionBar().setTitle("Photo Camera");
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);

        i1=(ImageView)findViewById(R.id.imageView);
        b=(ImageButton)findViewById(R.id.imageButton);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
                startActivityForResult(i,1000);
            }
        });
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode == 1000)
        {
            Bitmap bm = (Bitmap)data.getExtras().get("data");
            i1.setImageBitmap(bm);
        }
        else{
            Toast.makeText(photo.this, "hardware issue !", Toast.LENGTH_SHORT).show();
        }
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                this.finish();
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

```

activity_photo.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/frame"
    tools:context=".photo">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/imageView"
        android:layout_above="@+id/button"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true" />

    <ImageButton
        android:id="@+id/imageButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
```

```
android:layout_centerHorizontal="true"
android:layout_marginStart="180dp"
android:layout_marginBottom="15dp"
app:srcCompat="@drawable/lens" />
```

```
</RelativeLayout>
```

video.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.MediaController;
import android.widget.Toast;
import android.widget.VideoView;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class video extends AppCompatActivity {

    ImageButton b1;
    VideoView v1;
    MediaController mc;
    Uri u1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_video);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Video Camera");

        b1=(ImageButton)findViewById(R.id.button);
```

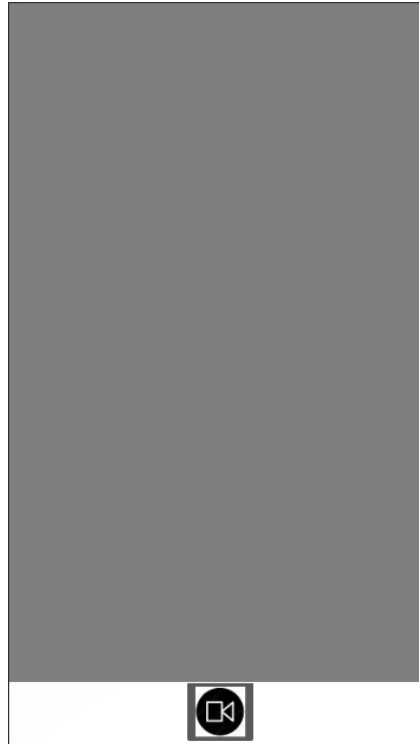


```

v1=(VideoView)findViewById(R.id.videoView);
mc = new MediaController(this);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i = new Intent(MediaStore.ACTION_VIDEO_CAPTURE);
        startActivityForResult(i,100);
    }
});
}
@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode==100){
        u1=data.getData();
        v1.setVideoURI(u1);
        v1.setMediaController(mc);
        mc.setAnchorView(v1);
        v1.start();
    }
    else {
        Toast.makeText(this, "Hardware Issue !", Toast.LENGTH_SHORT).show();
    }
}
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_video.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/videobackground"
    tools:context=".video">
```

<VideoView

```
    android:id="@+id/videoView"
    android:layout_width="match_parent"
    android:layout_height="659dp"
    android:layout_above="@+id/button"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="0dp"
    android:layout_marginTop="0dp"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="-5dp" />
```

<ImageButton

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="172dp"
android:layout_marginBottom="-1dp"
app:srcCompat="@drawable/videosymbol" />
```

```
</RelativeLayout>
```

wifi.java

```
package com.example.app60;

import androidx.appcompat.app.AppCompatActivity;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.view.View;
import android.widget.CompoundButton;
import android.widget.ImageButton;
import android.widget.ToggleButton;
import android.os.Bundle;
import android.view.MenuItem;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class wifi extends AppCompatActivity {

    ImageButton b1;
    WifiManager wm;
    private boolean wifi=false;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifi);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setTitle("Wi-Fi");
        b1=(ImageButton) findViewById(R.id.imageButton);
        wm = (WifiManager) getSystemService(WIFI_SERVICE);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(wifi==false) {
                    wm.setWifiEnabled(true);
                    wifi = true;
                    b1.setImageResource(R.drawable.red);
                }
                else
                {
                    wm.setWifiEnabled(false);
                    wifi = false;
                    b1.setImageResource(R.drawable.black);
                }
            }
        });
    }
}
```

```
    }  
    }  
    });  
}  
  
@Override  
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
    switch (item.getItemId()) {  
        case android.R.id.home:  
            this.finish();  
            return true;  
        }  
    return super.onOptionsItemSelected(item);  
}  
}
```

activity_wifi.xml



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/newwww"
    tools:context=".wifi">

    <ImageButton
        android:id="@+id/imageButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerInParent="true"
        android:layout_marginTop="233dp"
        android:src="@drawable/black" />

</RelativeLayout>

```

danger.java

```

package com.example.app60;

import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import android.app.admin.DevicePolicyManager;
import android.bluetooth.BluetoothAdapter;
import android.content.Context;
import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.icu.util.Freezable;
import android.media.MediaPlayer;
import android.net.wifi.WifiManager;
import android.os.Build;
import android.os.Bundle;
import android.os.Vibrator;
import android.widget.ImageView;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

public class danger extends AppCompatActivity implements SensorEventListener {

    MediaPlayer mp;

```

```

WifiManager wm;
BluetoothAdapter ba;
CameraManager cm;
Vibrator v1;
ImageView i1;
SensorManager sm;
Sensor s;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_danger);
    ActionBar actionBar = getSupportActionBar();
    actionBar.setDisplayHomeAsUpEnabled(true);
    getSupportActionBar().setTitle("Danger , Leave Now");

    mp=MediaPlayer.create(this,R.raw.danger4);
    wm=(WifiManager)getSystemService(WIFI_SERVICE);
    ba=BluetoothAdapter.getDefaultAdapter();
    cm=(CameraManager)getSystemService(CAMERA_SERVICE);
    v1=(Vibrator)getSystemService(VIBRATOR_SERVICE);
    i1=(ImageView)findViewById(R.id.imageView);

    sm=(SensorManager)getSystemService(SENSOR_SERVICE);
    s=sm.getDefaultSensor(Sensor.TYPE_ACCELEROMETER);
    sm.registerListener(this,s,SensorManager.SENSOR_DELAY_NORMAL);
}

@Override
public void onSensorChanged(SensorEvent sensorEvent) {

    float x=sensorEvent.values[0];
    float y=sensorEvent.values[1];
    float z=sensorEvent.values[2];

    int x1=(int)x;
    int y1=(int)y;
    int z1=(int)z;

    if(x1!=0){
        Toast.makeText(this, "Why you Are Tilding Your phone !", Toast.LENGTH_SHORT).show();
        mp.start();
        wm.setWifiEnabled(true);
        ba.enable();

        i1.setImageResource(R.drawable.danger1);
        if(Build.VERSION.SDK_INT>26){
            v1.vibrate(200000);
        }
        else {
            v1.vibrate(200000);
        }
        try{
            String id =cm.getCameraIdList()[0];

```

```

        cm.setTorchMode(id,true);
    }
    catch (CameraAccessException e){

    }
}
else{
    Toast.makeText(danger.this, "why you turn back", Toast.LENGTH_SHORT).show();
    wm.setWifiEnabled(false);
    ba.disable();

    i1.setImageResource(R.drawable.danger2);
    try{
        String id =cm.getCameraIdList()[0];
        cm.setTorchMode(id,false);
    }
    catch (CameraAccessException e){

    }
}
}

@Override
public void onAccuracyChanged(Sensor sensor, int i) {

}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            this.finish();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
}

```

activity_danegr.xml



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/dddddddddddddddd"
    tools:context=".danger">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerInParent="true"
        android:layout_marginStart="-6dp"
        android:layout_marginTop="123dp"
        android:layout_marginEnd="-5dp"
        android:layout_marginBottom="144dp"
```



```
android:src="@drawable/danger1" />
```

```
</RelativeLayout>
```

Users.java

```
package com.example.app60;
```

```
public class Users {
```

```
    String name , email , phone;
```

```
    public Users()
```

```
    {
```

```
    }
```

```
    public Users(String name, String email, String phone) {
```

```
        this.name = name;
```

```
        this.email = email;
```

```
        this.phone = phone;
```

```
    }
```

```
    public String getName() {
```

```
        return name;
```

```
    }
```

```
    public void setName(String name) {
```

```
        this.name = name;
```

```
    }
```

```
    public String getEmail() {
```

```
        return email;
```

```
    }
```

```
    public void setEmail(String email) {
```

```
        this.email = email;
```

```
    }
```

```
    public String getPhone() {
```

```
        return phone;
```

```
    }
```

```
    public void setPhone(String phone) {
```

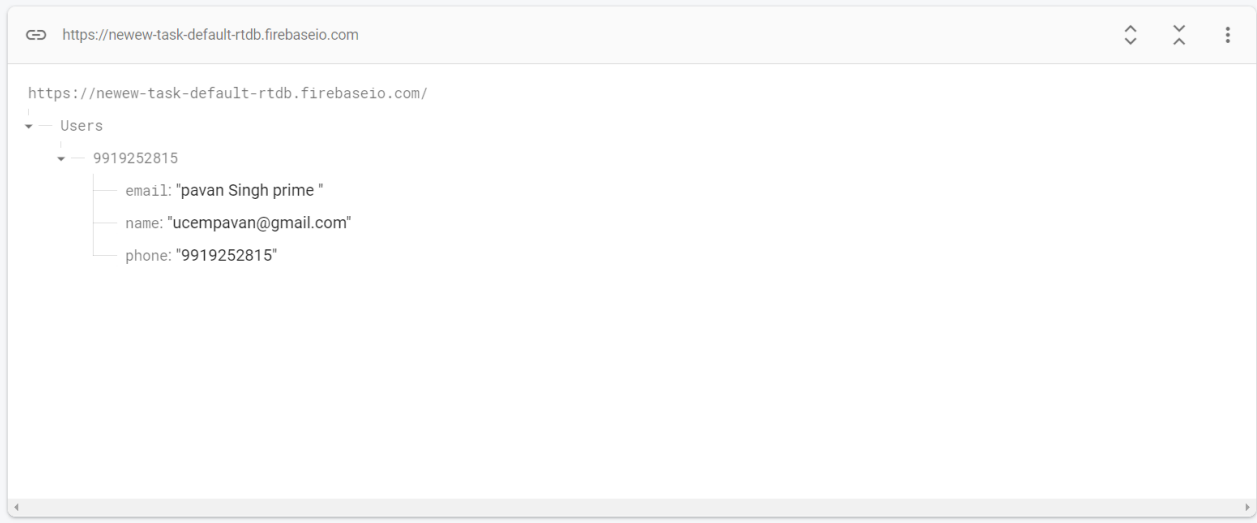
```
        this.phone = phone;
```

```
}  
}
```

Screenshots of Google Firebase

Realtime Database

[Data](#) [Rules](#) [Backups](#) [Usage](#)



Authentication

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Search by email address, phone number, or user UID					Add user	↺	⋮
Identifier	Providers	Created ↓	Signed In	User UID			
rs991925@gmail.com	📧	Oct 2, 2022	Oct 3, 2022	hATFiFIRAaWQupkz8XDxUDM88...			
+919919252815	📞	Sep 23, 2022	Oct 2, 2022	xObW4SE46NfduuJ5AhtsPIGq8D03			
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AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:tools="http://schemas.android.com/tools">

<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.ACCESS_WIFI_STATE" />
<uses-permission android:name="android.permission.CHANGE_WIFI_STATE" />
<uses-permission android:name="android.permission.BLUETOOTH" />
<uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
<uses-permission android:name="android.permission.BLUETOOTH_CONNECT" />
<uses-permission android:name="android.permission.CAMERA" />
<uses-permission android:name="android.permission.VIBRATE" />

<application
    android:allowBackup="true"
    android:dataExtractionRules="@xml/data_extraction_rules"
    android:fullBackupContent="@xml/backup_rules"
    android:icon="@mipmap/ic_launcher"
    android:label="@string/app_name"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportRtl="true"
    android:theme="@style/Theme.App60"
    tools:targetApi="31">
    <activity
        android:name=".quiz10"
        android:exported="false">
        <meta-data
            android:name="android.app.lib_name"
            android:value="" />
    </activity>
    <activity
        android:name=".quiz9"
        android:exported="false">
        <meta-data
            android:name="android.app.lib_name"
            android:value="" />
    </activity>
    <activity
        android:name=".quiz8"
        android:exported="false">
        <meta-data
            android:name="android.app.lib_name"
            android:value="" />
    </activity>
    <activity
        android:name=".quiz7"
        android:exported="false">
        <meta-data
            android:name="android.app.lib_name"
            android:value="" />
    </activity>
    <activity
        android:name=".quiz6"
        android:exported="false">
        <meta-data
            android:name="android.app.lib_name"
            android:value="" />
    </activity>
```

```
<activity
  android:name=".quiz5"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".quiz4"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".quizResult"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".quiz3"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".quiz2"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".AddPlayers"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".signin"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".quiz"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
```

```
<activity
  android:name=".danger"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".vibrate"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".torch"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".video"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".photo"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".camera"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".bluethoot"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".tts"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
```

```
<activity
  android:name=".media"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".cal"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".tools"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".tictactoe"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".fourthree"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".fourtwo"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".games"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
<activity
  android:name=".all"
  android:exported="false">
  <meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
```

```
<activity
    android:name=".result"
    android:exported="false">
    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
<activity
    android:name=".fourone"
    android:exported="false">
    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
<activity
    android:name=".four"
    android:exported="false">
    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
<activity
    android:name=".third"
    android:exported="false">
    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
<activity
    android:name=".second"
    android:exported="false">
    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
<activity
    android:name=".MainActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>

    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
</activity>
</application>
</manifest>
```

