

Assignment 3

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ASSIGNMENT 3



HELLO! WELCOME TO THE HOME SCREEN

[HOME](#)

[ABOUT US](#)

[COURSES](#)

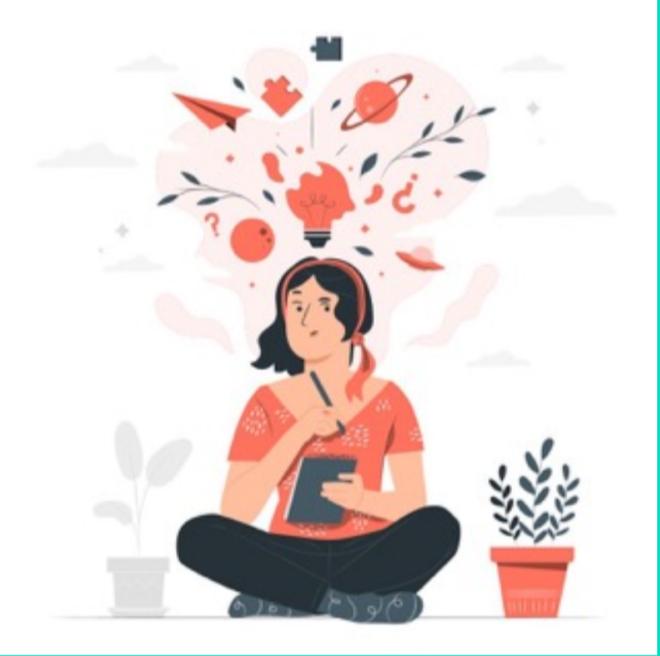
3:07

Assignment3

ABOUT US

Hello, my name is Aashna.

I volunteer at Shrimad Rajchandra Love and Care. In 2020, I raised Rs. 1 lakh for various COVID relief schemes.



3:07

Assignment3

ECONOMICS

ENGLISH

BIOLOGY

PHYSICS

CHEMISTRY

HISTORY

GEOGRAPHY

PSYCHOLOGY

SOCIOLOGY

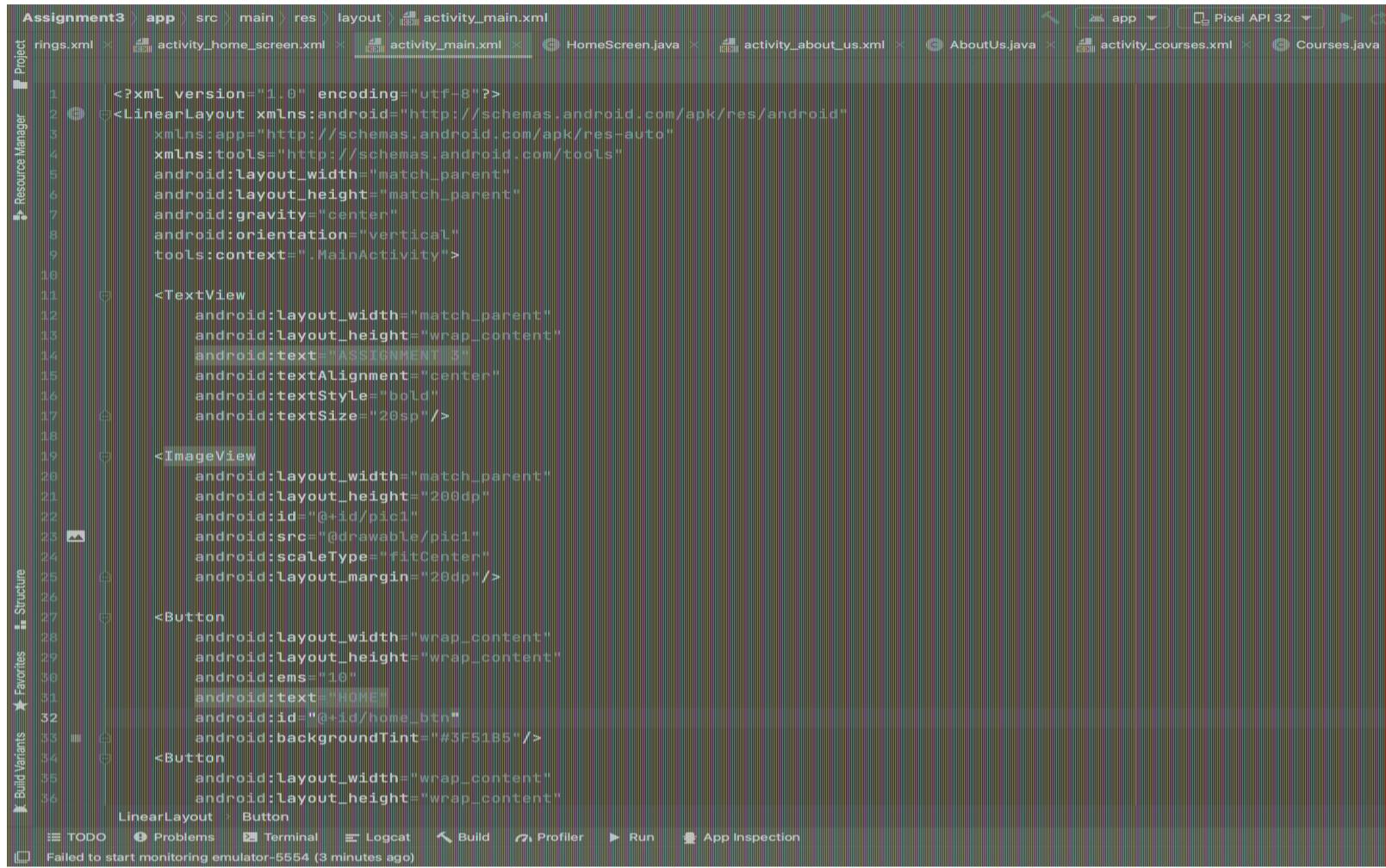
ETHICS

FINANCE

ACCOUNTS

GOOD LUCK!

Main Activity XML



The screenshot shows the Android Studio interface with the 'Main Activity XML' file open. The code defines a single activity with three buttons: Home, About Us, and Courses.

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".MainActivity" >

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ASSIGNMENT 3"
        android:textAlignment="center"
        android:textStyle="bold"
        android:textSize="20sp" />

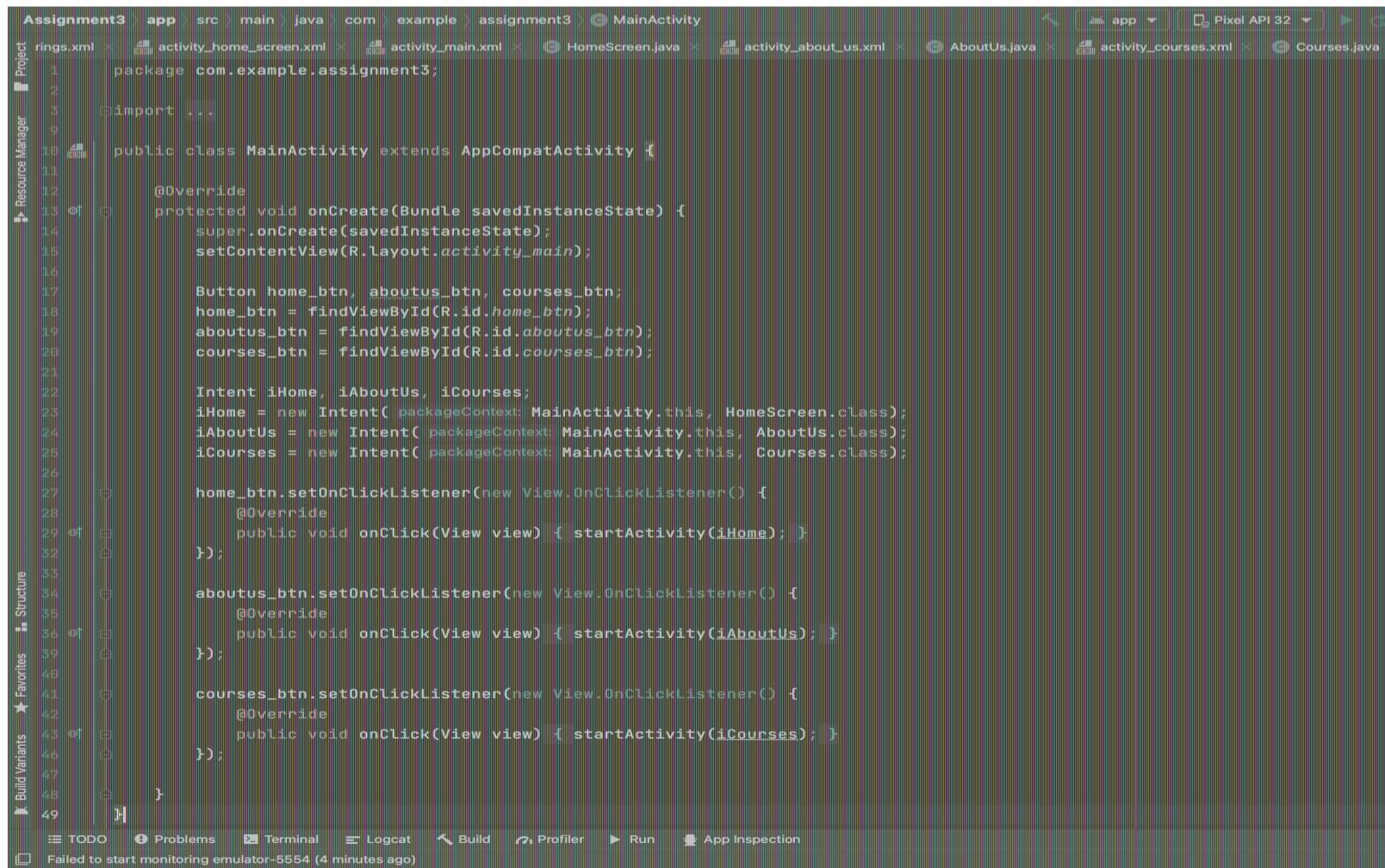
    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/home_btn"
        android:src="@drawable/icon_home"
        android:scaleType="center"
        android:layout_margin="10dp" />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:id="@+id/aboutus_btn"
        android:background="@color/colorPrimaryDark" />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/courses_btn" />

</LinearLayout>
```

Main Activity Java



The screenshot shows the Android Studio interface with the 'MainActivity.java' file open. The class implements the `AppCompatActivity` and contains three buttons: Home, About Us, and Courses. Each button's click listener starts a new activity: HomeScreen, AboutUs, or Courses respectively.

```
package com.example.assignments;

import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

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

        Button home_btn, aboutus_btn, courses_btn;
        home_btn = findViewById(R.id.home_btn);
        aboutus_btn = findViewById(R.id.aboutus_btn);
        courses_btn = findViewById(R.id.courses_btn);

        Intent iHome, iAboutUs, iCourses;
        HomeScreen = new Intent(MainActivity.this, HomeScreen.class);
        AboutUs = new Intent(MainActivity.this, AboutUs.class);
        Courses = new Intent(MainActivity.this, Courses.class);

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

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

        courses_btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(iCourses);
            }
        });
    }
}
```

Home Screen XML

The screenshot shows the Android Studio interface with the 'Assignment3' project open. The 'activity_main.xml' file is selected in the Project tab. The code in the editor is:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".HomeScreen">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="120"
        android:textSize="17sp"
        android:text="HELLO! WELCOME TO THE SCREEN"
        android:textStyle="bold"
        android:textAlignment="center"/>

</LinearLayout>
```

The bottom status bar indicates "Failed to start monitoring emulator-5554 (4 minutes ago)".

Home Screen Java

The screenshot shows the Android Studio interface with the 'Assignment3' project open. The 'HomeScreen.java' file is selected in the Project tab. The code in the editor is:

```
package com.example.assignment3;
import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;

public class HomeScreen extends AppCompatActivity {

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

The bottom status bar indicates "Failed to start monitoring emulator-5554 (4 minutes ago)".

About Us XML

```
<?xml Version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="#cccccc"
    tools:context=".AboutUs">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="50px"
        android:ems="10"
        android:text="Hello, my name is Summa."
        android:textAlignment="center"
        android:textSize="25px"
        android:textColor="#000000"
        android:textStyle="bold"/>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="50px"
        android:text="I volunteer at Shrikrishna Love and Care, 2022."
        android:textAlignment="center"
        android:textSize="20px"
        android:textColor="#000000"
        android:textStyle="bold"/>

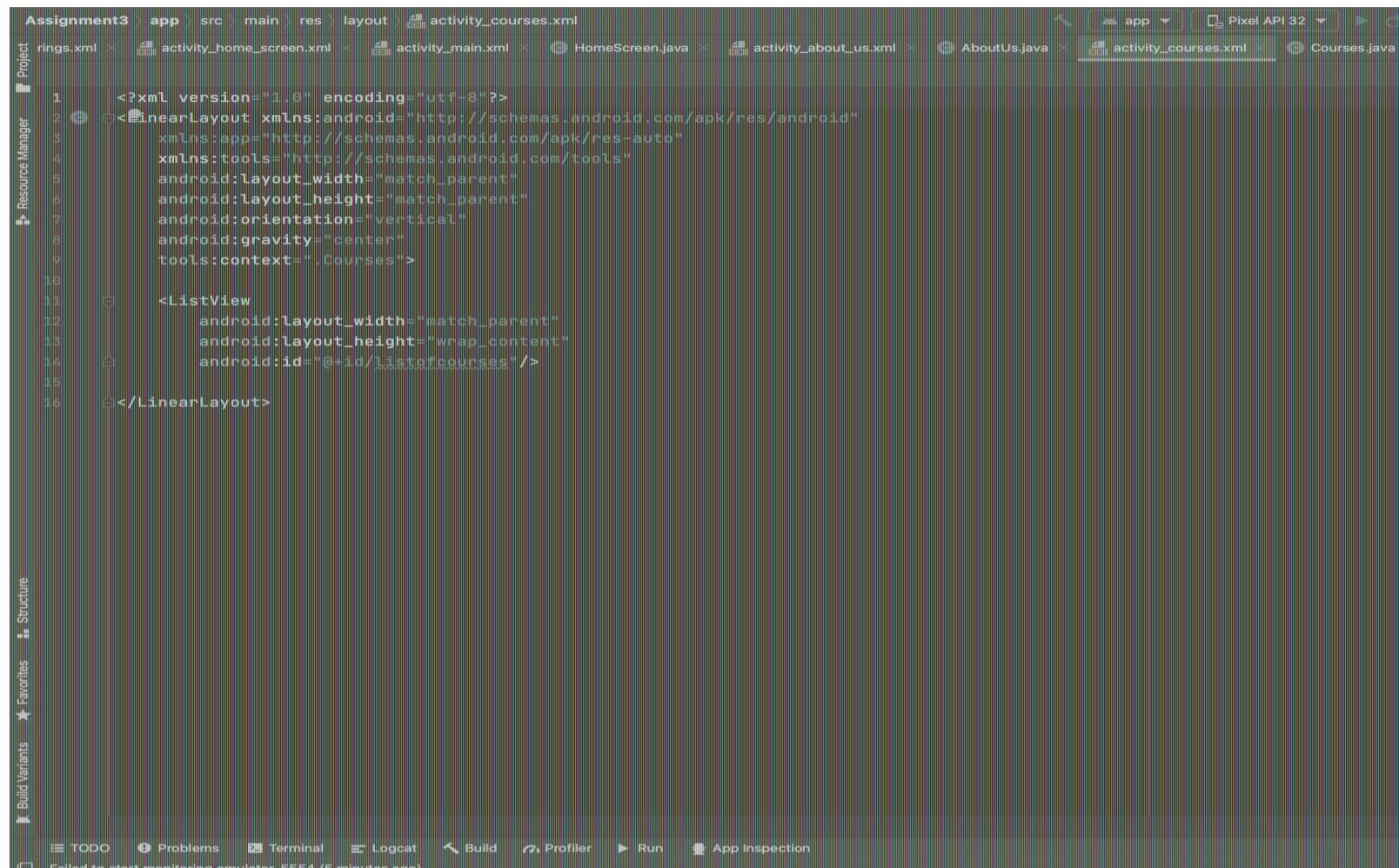
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="50px"
        android:background="#cccccc"
        android:gravity="center"
        android:padding="10px">

        <Imageview
            android:layout_width="50px"
            android:layout_height="50px"
            android:src="@mipmap/ic_launcher" />
    </LinearLayout>

```

About Us Java

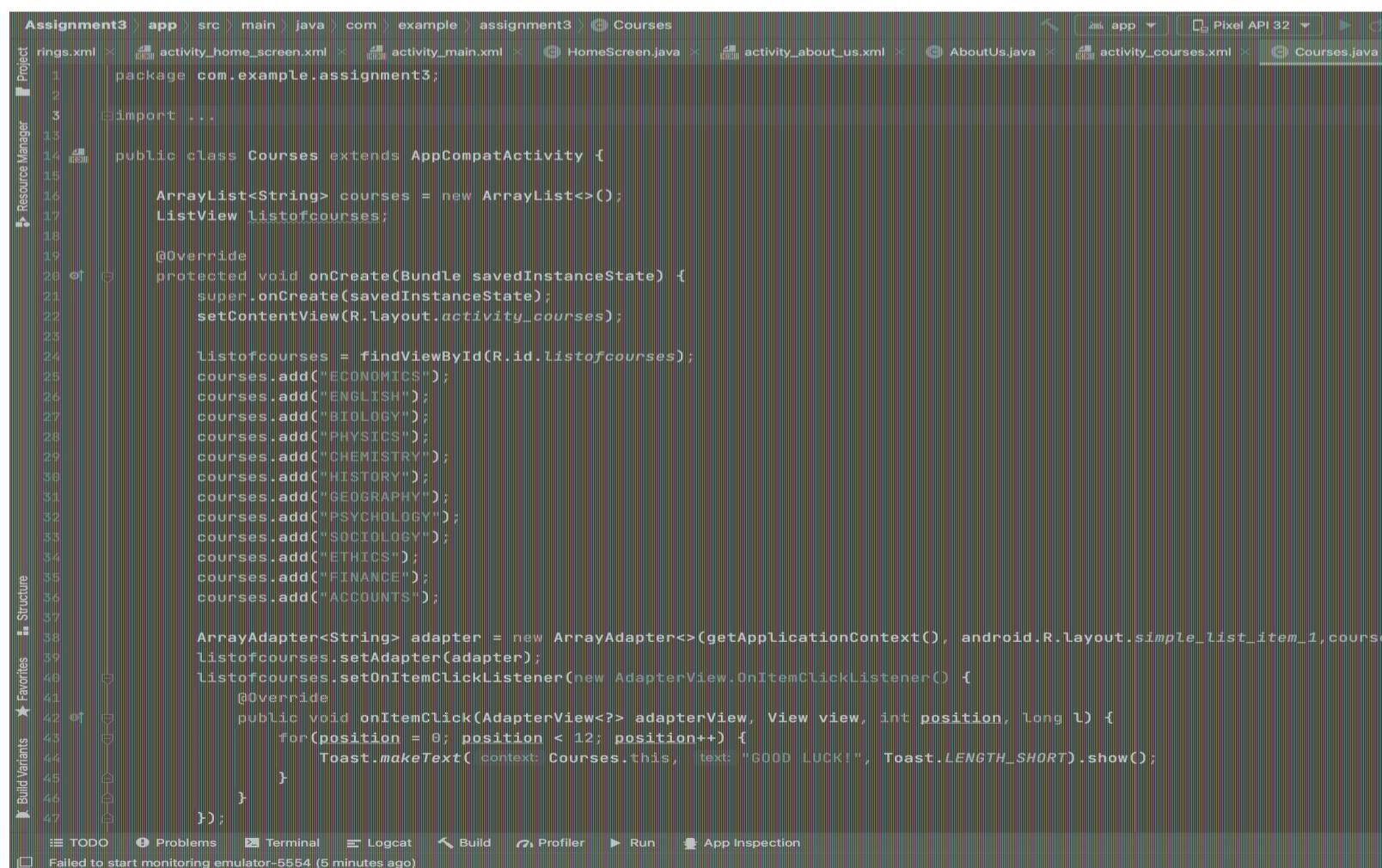
Courses XML



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/textView1"/>
    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/listView1"/>

```

Courses Java



```
public class Courses extends AppCompatActivity {
    ArrayList<String> courses = new ArrayList<String>();
    ListView listofcourses;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_courses);

        listofcourses = findViewById(R.id.listofcourses);
        courses.add("ECONOMICS");
        courses.add("ENGLISH");
        courses.add("BIOLOGY");
        courses.add("PHYSICS");
        courses.add("CHEMISTRY");
        courses.add("HISTORY");
        courses.add("GEOGRAPHY");
        courses.add("PSYCHOLOGY");
        courses.add("SOCIOLOGY");
        courses.add("ETHICS");
        courses.add("FINANCE");
        courses.add("ACCOUNTING");

        arrayAdapter<String> adapter = new ArrayAdapter<String>(getApplicationContext(), android.R.layout.simple_list_item_1, courses);
        listofcourses.setAdapter(adapter);
        listofcourses.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View view, int position, long l) {
                for(position = 0; position < courses.size(); position++) {
                    Toast.makeText(getApplicationContext(), courses.get(position), Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}
```