Experiment No.: 9

Aim

Implement Adapters and perform exception handling

CO3

Develop applications with multiple activities using intents, array adapter, exceptions and options

menu.

Procedure

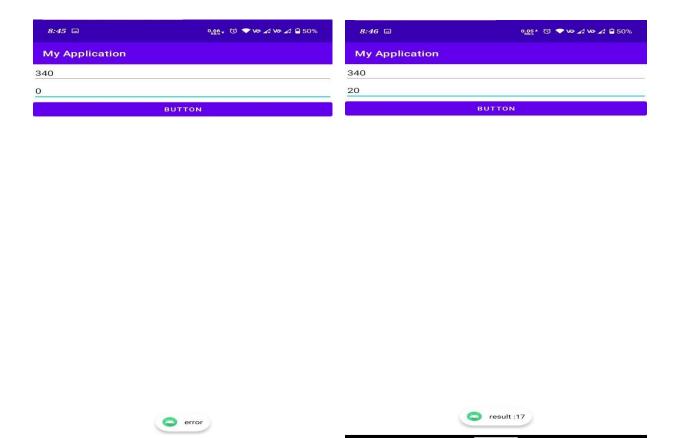activity_main.xml

```
<?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"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/first"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="enter first value"
        />
    <EditText
        android:id="@+id/second"
```

```xml
        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:ems="10"

        android:hint="enter second value" />

    <Button

        android:id="@+id/btn"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:text="Button" />

</LinearLayout>
```

MainActivity.java

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        EditText et1 = (EditText)findViewById(R.id.first);

        EditText et2 = (EditText)findViewById(R.id.second);

        Button butt = (Button) findViewById(R.id.btn);

        butt.setOnClickListener(view -> {

            int x = Integer.parseInt(et1.getText().toString());

            int y = Integer.parseInt(et2.getText().toString());
```

```
    try{

        int c = x / y;

        Toast.makeText(getApplicationContext(), "result :"+c,
Toast.LENGTH_SHORT).show();

        }catch (Exception e){

        Toast.makeText(getApplicationContext(), "error", Toast.LENGTH_SHORT).show();

        }

    });

  }

}
```

Output Screenshot

Result

The program was executed and the result was successfully obtained. Thus CO3 was obtained.