

Exp 9

ActivityMain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Internal Storage LAB 9"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.58" />
    <EditText
        android:id="@+id/edit_text"
        android:layout_width="match_parent"
        android:layout_height="100dp"
        android:hint="TYPE YOUR TEXT HERE TO STORE"
        android:layout_marginTop="84dp"
        app:layout_constraintTop_toTopOf="parent"
        tools:layout_editor_absoluteX="0dp" />
    <Button
        android:id="@+id/btnSave"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="68dp"
        android:text="SAVE"
        android:onClick="Save"
        app:layout_constraintBottom_toTopOf="@+id/textView"
        app:layout_constraintEnd_toEndOf="@+id/textView"
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        app:layout_constraintHorizontal_bias="0.48"
        app:layout_constraintStart_toStartOf="@+id/textView" />
<Button
    android:id="@+id/btnload"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="28dp"
    android:text="load"
    android:onClick="Load"
    app:layout_constraintBottom_toTopOf="@+id/btnSave"
    app:layout_constraintEnd_toEndOf="@+id/btnSave"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/btnSave" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

MainActivity.java

```

package com.example.exp9final;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;
import java.io.BufferedReader;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStreamReader;
public class MainActivity extends AppCompatActivity {
    private static final String FILE_NAME = "example.txt";
    EditText mEditText;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        mEditText = findViewById(R.id.edit_text);
    }
}

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    }
    public void Save(View view) throws IOException {
        String text = mEditText.getText().toString();
        FileOutputStream fos = null;

        fos=openFileOutput(FILE_NAME,MODE_PRIVATE);
        fos.write(text.getBytes());
        mEditText.getText().clear();
        Toast.makeText(this,"Saved to
"+getFilesDir()+"/"+FILE_NAME,Toast.LENGTH_SHORT).show();

    }
    public void Load(View view) throws IOException {
        FileInputStream fis = null;

        fis = openFileInput(FILE_NAME);
        InputStreamReader isr = new InputStreamReader(fis);
        BufferedReader br = new BufferedReader(isr);
        StringBuilder sb = new StringBuilder();
        String text;
        while((text=br.readLine())!=null){
            sb.append(text).append("\n");
        }
        mEditText.setText(sb.toString());

    }
}

```