Expt 9

MainActivity.java

package com.example.testing;

import android.app.AlertDialog;

import android.app.ProgressDialog;

import android.content.Intent;

import android.content.SharedPreferences;

import android.media.MediaPlayer;

import android.os.Bundle;

import android.os.Handler;

import android.view.ContextMenu;

import android.view.MenuItem;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.EditText;

import android.widget.PopupMenu;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.SeekBar;

import android.widget.Spinner;

import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import androidx.cardview.widget.CardView;

import java.io.BufferedReader;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.util.regex.Pattern;

public class MainActivity extends AppCompatActivity {

Button show,save;

EditText input;

TextView output;

String str = "example.txt";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

show=findViewById(R.id.showbutton);

save=findViewById(R.id.savebutton);

output=findViewById(R.id.outputtext);

save.setOnClickListener(v->

{

input=findViewById(R.id.inputtext);

String data=input.getText().toString();

try{

FileOutputStream fileOutputStream= openFileOutput(str,MODE\_PRIVATE);

fileOutputStream.write(data.getBytes());

fileOutputStream.close();

String dir=getFilesDir()+"/"+str;

Toast.makeText(this,"Data Saved In: " + dir,Toast.LENGTH\_SHORT).show();

input.setText("");

} catch (FileNotFoundException e) {

throw new RuntimeException(e);

} catch (IOException e) {

throw new RuntimeException(e);

}

});

show.setOnClickListener(v->

{

try {

FileInputStream fileInputStream= openFileInput(str);

InputStreamReader inputStreamReader=new InputStreamReader(fileInputStream);

BufferedReader bufferedReader=new BufferedReader(inputStreamReader);

StringBuilder stringBuilder=new StringBuilder();

String line;

while ((line=bufferedReader.readLine())!=null)

{

stringBuilder.append(line).append("\n");

}

output.setText(stringBuilder.toString());

bufferedReader.close();

inputStreamReader.close();

} catch (FileNotFoundException e) {

throw new RuntimeException(e);

} catch (IOException e) {

throw new RuntimeException(e);

}

});

}

}

Activity\_main.xml

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

<LinearLayout xmlns:app="http://schemas.android.com/apk/res-auto"

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

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:gravity="center"

android:orientation="vertical">

<EditText

android:id="@+id/inputtext"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:hint="Enter Text"/>

<Button

android:id="@+id/savebutton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Save"/>

<Button

android:id="@+id/showbutton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginBottom="20dp"

android:text="Show Text"/>

<TextView

android:id="@+id/outputtext"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:hint="Output"/>

</LinearLayout>