**Ex-6 Implement an application that writes data to the SD card**

**MainActivity.java**

package com.example.myapplication\_6;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.InputStreamReader;

public class MainActivity extends AppCompatActivity

{

EditText e1;

Button write,read,clear;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

e1= (EditText) findViewById(R.id.editTextTextPersonName2);

write= (Button) findViewById(R.id.button);

read= (Button) findViewById(R.id.button2);

clear= (Button) findViewById(R.id.button3);

write.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v)

{

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

try

{

File f=new File("/sdcard/myfile.txt");

f.createNewFile();

FileOutputStream fout=new FileOutputStream(f);

fout.write(message.getBytes());

fout.close();

Toast.makeText(getBaseContext(),"Data Written in SDCARD",Toast.LENGTH\_LONG).show();

}

catch (Exception e)

{

Toast.makeText(getBaseContext(),e.getMessage(),Toast.LENGTH\_LONG).show();

}

}

});

read.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v)

{

String message;

String buf = "";

try

{

File f = new File("/sdcard/myfile.txt");

FileInputStream fin = new FileInputStream(f);

BufferedReader br = new BufferedReader(new InputStreamReader(fin));

while ((message = br.readLine()) != null)

{

buf += message;

}

e1.setText(buf);

br.close();

fin.close();

Toast.makeText(getBaseContext(),"Data Recived from SDCARD",Toast.LENGTH\_LONG).show();

}

catch (Exception e)

{

Toast.makeText(getBaseContext(), e.getMessage(), Toast.LENGTH\_LONG).show();

}

}

});

clear.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v)

{

e1.setText("");

}

});

}

}

**activity\_main.xml**

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

<android.support.constraint.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">

<LinearLayout

android:layout\_width="409dp"

android:layout\_height="729dp"

android:orientation="vertical"

tools:layout\_editor\_absoluteX="1dp"

tools:layout\_editor\_absoluteY="1dp">

<EditText

android:id="@+id/editTextTextPersonName2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="please enter Text"

android:inputType="textPersonName" />

<Button

android:id="@+id/button"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Write" />

<Button

android:id="@+id/button2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Read" />

<Button

android:id="@+id/button3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Delete" />

</LinearLayout>

</android.support.constraint.ConstraintLayout>

**Output:**



