**Assignment:-10**

**10. Create an android application which can read and write data into file respectively.**

**Ans :**

**MainActivity.java :**

package com.example.Hz.filehandling;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

import java.io.FileInputStream;

import java.io.FileOutputStream;

public class MainActivity extends AppCompatActivity {

EditText edt;

Button Save, Read;

TextView txt;

String data;

private String file = "mydata";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

edt = (EditText) findViewById(R.id.editText);

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

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

txt = (TextView) findViewById(R.id.textView);

Save.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

data = edt.getText().toString();

try {

FileOutputStream FOut = openFileOutput(file, MODE\_WORLD\_READABLE);

FOut.write(data.getBytes());

FOut.close();

Toast.makeText(getBaseContext(), "File Saved", Toast.LENGTH\_SHORT).show();

} catch (Exception e) {

*//ToDo Auto-Genrated Catch Block*

e.printStackTrace();

Toast.*makeText*(getBaseContext(), e.toString(), Toast.*LENGTH\_SHORT*).toString();

}

}

});

Read.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

data = edt.getText().toString();

try {

FileInputStream fin = openFileInput(file);

int c;

String temp = "";

while ((c = fin.read()) != -1) {

temp = temp + Character.*toString*((char) c);

}

txt.setText(temp);

Toast.*makeText*(getBaseContext(), "File Read", Toast.LENGTH\_SHORT).toString();

} catch (Exception e) {

}

}

});

}

}

**Activity\_main.xml :**

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

**<RelativeLayout 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">**

**<EditText**

**android:id="@+id/editText"**

**android:layout\_width="256dp"**

**android:layout\_height="61dp"**

**android:layout\_alignParentTop="true"**

**android:layout\_centerHorizontal="true"**

**android:layout\_marginTop="42dp"**

**android:ems="10"**

**android:hint="Please Enter..."**

**android:inputType="textPersonName" />**

**<Button**

**android:id="@+id/button"**

**android:layout\_width="112dp"**

**android:layout\_height="45dp"**

**android:layout\_alignParentStart="true"**

**android:layout\_alignParentTop="true"**

**android:layout\_marginStart="35dp"**

**android:layout\_marginTop="192dp"**

**android:text="Save" />**

**<Button**

**android:id="@+id/button2"**

**android:layout\_width="109dp"**

**android:layout\_height="45dp"**

**android:layout\_alignParentEnd="true"**

**android:layout\_alignTop="@+id/button"**

**android:layout\_marginEnd="53dp"**

**android:text="Read" />**

**<TextView**

**android:id="@+id/textView"**

**android:layout\_width="154dp"**

**android:layout\_height="32dp"**

**android:layout\_alignParentBottom="true"**

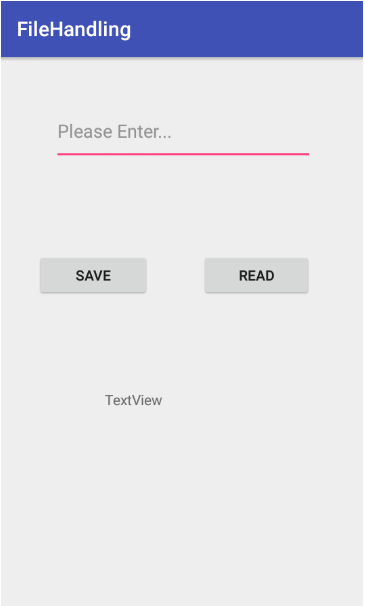
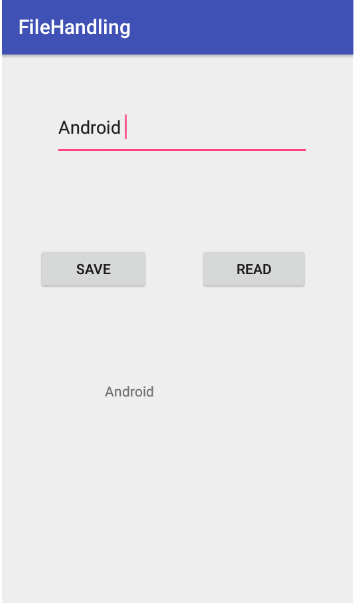
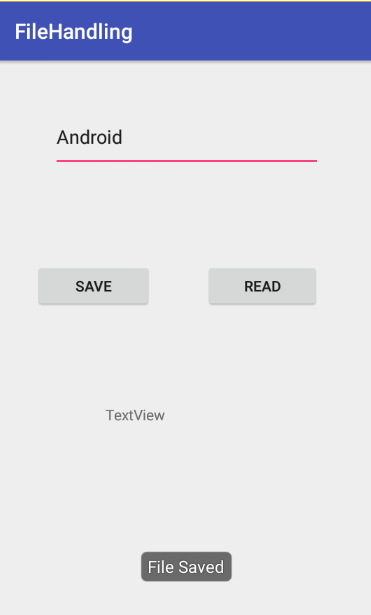
**android:layout\_centerHorizontal="true"**

**android:layout\_marginBottom="202dp"**

**android:text="TextView" />**

**</RelativeLayout>**

**OUTPUT :**

** **