

## 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 :**