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();
```

FileOutputStream FOut = openFileOutput(file, MODE WORLD READABLE);

try {

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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:



