Main_activity.xml

```xml
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_margin="20dp"
    android:orientation="vertical">
    <EditText
        android:id="@+id/editText"

android:layout_width="match_parent"

android:layout_height="wrap_content"
        android:singleLine="true"
        android:textSize="30dp"/>
    <Button
        android:id="@+id/button"

android:layout_width="match_parent"

android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:text="Write Data"
        android:textSize="30dp"/>
    <Button
        android:id="@+id/button2"

android:layout_width="match_parent"

android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:text="Read Data"
        android:textSize="30dp"/>
    <Button
        android:id="@+id/button3"

android:layout_width="match_parent"

android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:text="Clear"
        android:textSize="30dp"/>
</LinearLayout>
```

MainActivity.java

```java
package com.example.owner.exno9;
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;
    protected void oncreate(Bundle savedInstanceState)
    {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main);

        e1= (EditText) findViewById(R.id.editText);
        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());
```

```java
                    fout.close();

Toast.makeText(getBaseContext(), "Data
Written in SDCARD",
Toast.LENGTH_LONG).show();
                }
                catch (Exception e)
                {

Toast.makeText(getBaseContext(),e.getMe
ssage(),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(),
```

```java
e.getMessage(),
Toast.LENGTH_LONG).show();

                }
            }});

        clear.setOnClickListener(new
View.OnClickListener()
        {
            @Override
            public void onClick(View v)
            {
                e1.setText("");
            }
        });
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.c
om/apk/res/android"
    package="com.example.owner.exno9">
    <uses-permission
android:name="android.permission.WRITE_
EXTERNAL_STORAGE"></uses-permission>

    <application
        android:allowBackup="true"

android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"

android:roundIcon="@mipmap/ic_launcher_
round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity
android:name=".MainActivity">
            <intent-filter>
                <action
android:name="android.intent.action.MAI
N" />

                <category
android:name="android.intent.category.L
AUNCHER" />
            </intent-filter>
        </activity>
```

```
        </application>
</manifest>
```

OUTPUT: