

Practical No. 6

Title: Android program using Shared Preferences, Internal and External Storage

Aim: Create an application to demonstrate Shared Preferences, Internal and External Storage

Introduction

Android provides many ways of storing data of an application. One of this way is called Shared Preferences. Shared Preferences allow you to save and retrieve data in the form of key, value pair.

In order to use shared preferences, you have to call a method `getSharedPreferences()` that returns a `SharedPreferences` instance pointing to the file that contains the values of preferences.

```
SharedPreferences sharedPreferences = getSharedPreferences(MyPREFERENCES, Context.MODE_PRIVATE);
```

The first parameter is the key and the second parameter is the MODE. Apart from private there are other modes available that are listed below –

Sr.No	Mode & description
1	MODE_APPEND This will append the new preferences with the already existing preferences
2	MODE_ENABLE_WRITE_AHEAD_LOGGING Database open flag. When it is set, it would enable write ahead logging by default
3	MODE_MULTI_PROCESS

	This method will check for modification of preferences even if the sharedPreferences instance has already been loaded
4	MODE_PRIVATE By setting this mode, the file can only be accessed using calling application
5	MODE_WORLD_READABLE This mode allows other application to read the preferences
6	MODE_WORLD_WRITEABLE This mode allows other application to write the preferences

You can save something in the sharedPreferences by using SharedPreferences.Editor class. You will call the edit method of SharedPreferences instance and will receive it in an editor object.

Its syntax is –

```
Editor editor = sharedPreferences.edit();  
editor.putString("key", "value");  
editor.commit();
```

Apart from the putString method, there are methods available in the editor class that allows manipulation of data inside shared preferences. They are listed as follows –

Sr. NO	Mode & description
1	apply() It is an abstract method. It will commit your changes back from editor to the sharedPreferences object you are calling
2	clear() It will remove all values from the editor

3	remove(String key) It will remove the value whose key has been passed as a parameter
4	putLong(String key, long value) It will save a long value in a preference editor
5	putInt(String key, int value) It will save an integer value in a preference editor
6	putFloat(String key, float value) It will save a float value in a preference editor

Exercise - Create an application to save data in internal or external storage and also demonstrate implementation of shared preferences

Implementation:

Program:

A] External File Demo:

1)activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="48dp"
    android:text="@string/directory_nm"
    android:textSize="25sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/edtTxDirNm"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.165"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.606" />
```

```
<EditText
    android:id="@+id/edtTxDirNm"
    android:layout_width="wrap_content"
    android:layout_height="48dp"
    android:autofillHints=""
    android:hint="@string/enter_directory_nm"
    android:inputType="text"
    app:layout_constraintBottom_toTopOf="@+id/textView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.203"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="48dp"
    android:autofillHints=""
    android:importantForAutofill="no"
```

```
android:text="@string/file_nm"  
android:textSize="25sp"  
android:textStyle="bold"  
app:layout_constraintBottom_toTopOf="@+id/edtTxFlNm"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.115"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/edtTxDirNm" />
```

<EditText

```
android:id="@+id/edtTxFlNm"  
android:layout_width="wrap_content"  
android:layout_height="48dp"  
android:hint="@string/enter_file_nm"  
android:inputType="text"  
app:layout_constraintBottom_toTopOf="@+id/textView3"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.16"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

<TextView

```
android:id="@+id/textView3"  
android:layout_width="wrap_content"  
android:layout_height="48dp"  
android:autofillHints=""  
android:importantForAutofill="no"  
android:text="@string/content_of_file"  
android:textSize="25sp"  
android:textStyle="bold"  
app:layout_constraintBottom_toTopOf="@+id/edtTxContFile"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.213"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/edtTxFlNm" />
```

```
<EditText
    android:id="@+id/edtTxContFile"
    android:layout_width="wrap_content"
    android:layout_height="48dp"
    android:hint="@string/enter_content_of_file"
    android:inputType="text"
    app:layout_constraintBottom_toTopOf="@+id/btnRead"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.146"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

```
<Button
    android:id="@+id/btnRead"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/read_fl"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.13"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.626" />
```

```
<Button
    android:id="@+id/btnDelete"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/delete_fl"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.734"
```

```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.626" />
```

```
<Button  
    android:id="@+id/btnWrite"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="@string/write_fl"  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.416"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.732" />
```

```
<TextView  
    android:id="@+id/txtMSG"  
    android:layout_width="299dp"  
    android:layout_height="60dp"  
    android:textSize="18sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.888" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

2)MainActivity.java

```
package com.example.introexternalfiledemo;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

import java.io.BufferedReader;
import java.io.File;
import java.io.FileOutputStream;
import java.io.FileReader;

public class MainActivity extends AppCompatActivity {
    EditText edTxtDirNm,edTxtFileNm,edTxtFileContent;
    Button btnRead,btnWrite,btnDel;
    TextView output;
    @SuppressWarnings("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
```



```
        return insets;
    });

    edTxtDirNm=findViewById(R.id.edtTxDirNm);
    edTxtFileNm=findViewById(R.id.edtTxFlNm);
    edTxtFileContent=findViewById(R.id.edtTxContFile);

    btnWrite=findViewById(R.id.btnWrite);
    btnRead=findViewById(R.id.btnRead);
    btnDel=findViewById(R.id.btnDelete);

    output=findViewById(R.id.txtMSG);

    btnRead.setOnClickListener(view->{
        try{
            StringBuilder result= new StringBuilder();
            String line;
            String folder=getApplication().getFilesDir().getAbsolutePath()+
                File.separator+edTxtDirNm.getText().toString();
            File subFolder=new File(folder);
            if(!subFolder.exists()){
                subFolder.mkdirs();
            }
            BufferedReader bufferedReader=new BufferedReader
                (new FileReader(new File(folder,edTxtFileNm.getText().toString())));

            while((line=bufferedReader.readLine())!=null){
                result.append(line);
            }
            output.setText(result.toString());

        }
        catch (Exception e){
```

```
Toast.makeText(getApplicationContext(),e.getMessage(),Toast.LENGTH_LONG).show();
    output.setText(null);
}
});
```

```
btnWrite.setOnClickListener(view->{
    try{
        String folder=getApplication().getFilesDir().getAbsolutePath()+
            File.separator+edTxtDirNm.getText().toString();
        File subFolder=new File(folder);
        if(!subFolder.exists()){
            subFolder.mkdirs();
        }
        FileOutputStream outputStream=new FileOutputStream(new
File(subFolder,edTxtFileNm.getText().toString()));
        outputStream.write(edTxtFileContent.getText().toString().getBytes());
        outputStream.close();
        Toast.makeText(getApplicationContext(),"Writing
Successfully!",Toast.LENGTH_LONG).show();

        output.setText(null);
        edTxtDirNm.setText(null);
        edTxtFileNm.setText(null);
        edTxtFileContent.setText(null);
    }
    catch (Exception e){
```

```
Toast.makeText(getApplicationContext(),e.getMessage(),Toast.LENGTH_LONG).show();
    output.setText(null);
}
});
```

```
btnDel.setOnClickListener(view->{
    try{
        String folder=getApplication().getFilesDir().getAbsolutePath()+File.separator
```

```
        +edTxtDirNm.getText().toString();
        File subFolder=new File(folder);
        File file =new File(folder,edTxtFileNm.getText().toString());
        if(file.exists()){
            file.delete();
        }
        Toast.makeText(getApplicationContext(),"Deletion
Successfully",Toast.LENGTH_LONG).show();
        output.setText(null);
        edTxtDirNm.setText(null);
        edTxtFileNm.setText(null);
        edTxtFileContent.setText(null);

    }catch (Exception e){

        Toast.makeText(getApplicationContext(),e.getMessage(),Toast.LENGTH_LONG).show();
        output.setText(null);
    }
    });
}
}
```

Output:**1)activity_main.xml:-****2) Write in file operation :-**

DIRECTORY NAME:

Enter the name of the directory

FILE NAME:

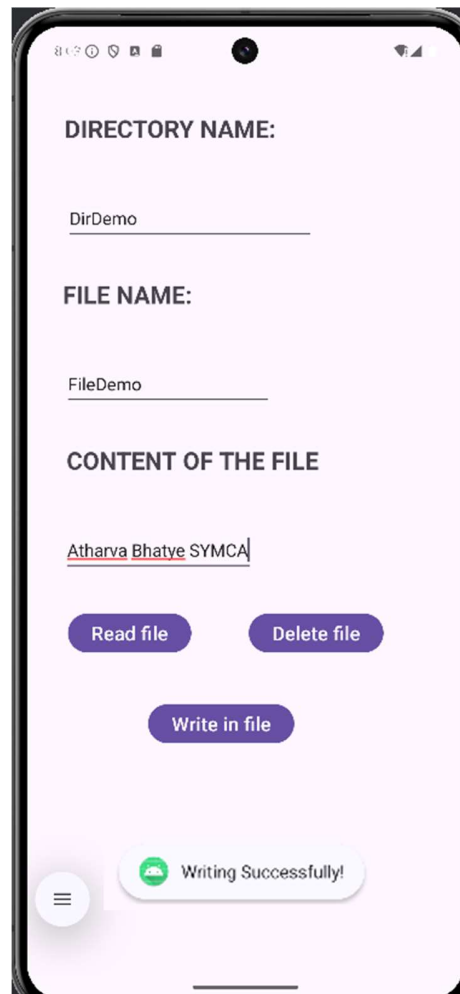
Enter the name of the File

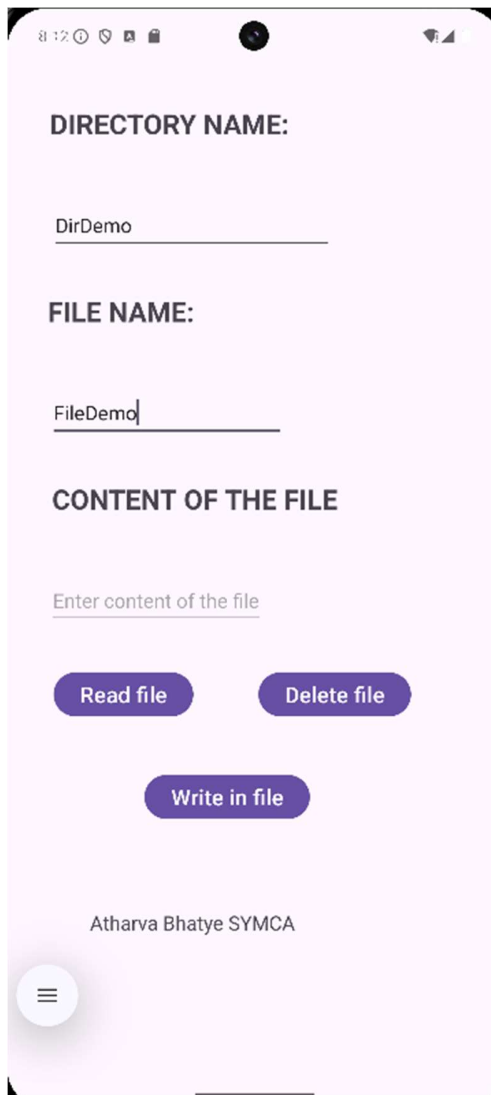
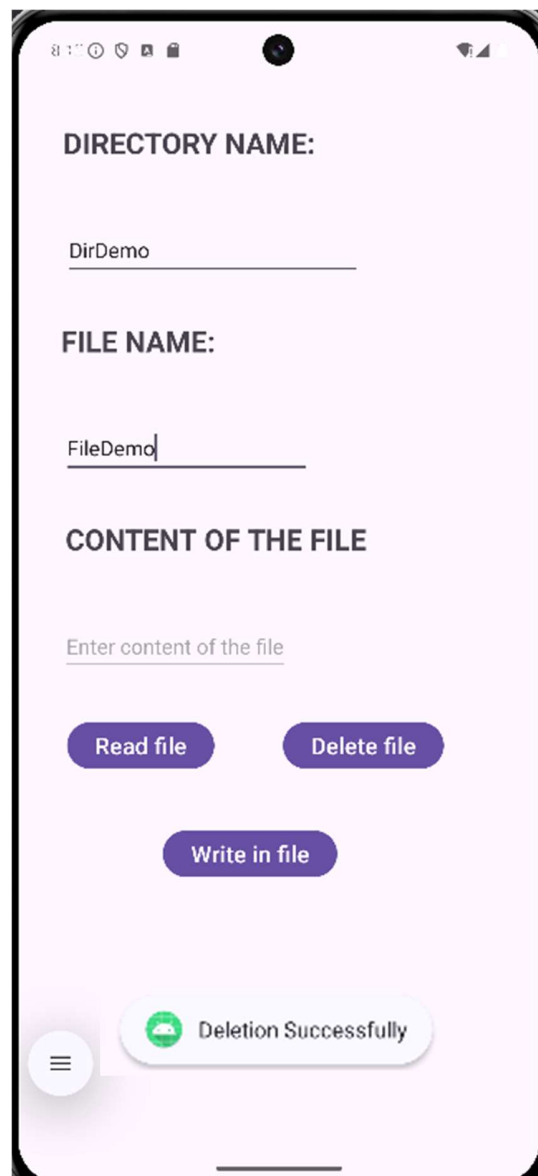
CONTENT OF THE FILE

Enter content of the file

Read file **Delete file**

Write in file



3) Read the file operation:**4) Delete the file operation:**

B] Shared Preference Demo:**Program:****1)activity_main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/user_name"
        android:textSize="25sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.106"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.291" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/password"
        android:textSize="25sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.102"
        app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.388" />
```

```
<EditText  
    android:id="@+id/editTextUsernm"  
    android:layout_width="187dp"  
    android:layout_height="49dp"  
    android:layout_marginStart="24dp"  
    android:layout_marginEnd="130dp"  
    android:hint="@string/enter_name"  
    android:inputType="text"  
    android:textColorHint="#78909C"  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toEndOf="@+id/textView2"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.294" />
```

```
<EditText  
    android:id="@+id/editTextPass"  
    android:layout_width="187dp"  
    android:layout_height="49dp"  
    android:layout_marginStart="24dp"  
    android:layout_marginEnd="130dp"  
    android:height="49dp"  
    android:hint="@string/enter_pass"  
    android:inputType="textPassword"  
    android:textColorHint="#78909C"  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toEndOf="@+id/textView2"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.381" />
```

```
<CheckBox
    android:id="@+id/checkBoxRemMe"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="340dp"
    android:text="@string/remaimber_me"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.45"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3"
    app:layout_constraintVertical_bias="0.947" />

<Button
    android:id="@+id/btnSumbit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/submit"
    android:textSize="15sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/checkBoxRemMe"
    app:layout_constraintVertical_bias="0.149" />

</androidx.constraintlayout.widget.ConstraintLayout>
```


2)activity_ file_handling.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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:id="@+id/file_handling"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Filehandling">

    <TextView
        android:id="@+id/textVwMsg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="160dp"
        android:layout_marginBottom="64dp"
        android:text="@string/click_on_btn"
        android:textSize="25sp"
        app:layout_constraintBottom_toTopOf="@+id/btnClrData"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.464"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/btnClrData"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="64dp"
        android:text="@string/cleardata"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.475"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textVwMsg" />
```

```
<TextView
    android:id="@+id/textVwInfo"
    android:layout_width="227dp"
    android:layout_height="97dp"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnClrData"
    app:layout_constraintVertical_bias="0.175" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

3) MainActivity.java

```
package com.example.sharedprefapplication;

import static android.content.Context.MODE_PRIVATE;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {
    EditText txtUsrNm,txtPassword;
    Button btnSubmit;
    CheckBox checkBox;
```

```
public static final String savedPref = "mypref";  
public static final String userNamePref = "UsrNm";  
public static final String userPassPref = "UsrPass";  
SharedPreferences sharedPreferences;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    EdgeToEdge.enable(this);  
    setContentView(R.layout.activity_main);
```

```
    txtUsrNm=findViewById(R.id.editTextUsernm);  
    txtPassword=findViewById(R.id.editTextPass);  
    checkBox=findViewById(R.id.checkBoxRemMe);  
    btnSubmit=findViewById(R.id.btnSumbit);
```

```
    btnSubmit.setOnClickListener(view->{  
        if(checkBox.isChecked()){  
            savedSharedPref(view);  
        }  
        Intent intent=new Intent(MainActivity.this, Filehandling.class);  
        MainActivity.this.startActivity(intent);  
    });
```

```
    ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {  
        Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());  
        v.setPadding(systemBars.left, systemBars.top, systemBars.right,  
systemBars.bottom);  
        return insets;  
    });  
}
```

```
public void savedSharedPref(View view){  
    String nm= txtUsrNm.getText().toString();  
    String pass=txtPassword.getText().toString();  
    sharedPreferences=getSharedPreferences(savedPref,MODE_PRIVATE);  
    SharedPreferences.Editor editor= sharedPreferences.edit();
```

```
        editor.putString(userNamePref,nm);
        editor.putString(userPassPref,pass);
        editor.apply();
    }
    @Override
    protected void onResume(){
        super.onResume();
        sharedPreferences=getSharedPreferences(savedPref,MODE_PRIVATE);
        String prefString=sharedPreferences.getString(userNamePref,"");
        String prefString1=sharedPreferences.getString(userPassPref,"");
        txtUsrNm.setText(prefString);
        txtPassword.setText(prefString1);
    }
    @Override
    protected void onDestroy(){
        sharedPreferences=getSharedPreferences(savedPref,MODE_PRIVATE);
        SharedPreferences.Editor editor=sharedPreferences.edit();
        editor.clear();
        editor.apply();
        //finish();
        super.onDestroy();
    }
}
```

4)Filehandling.java:

```
package com.example.sharedprefapplication;

import android.annotation.SuppressLint;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import static com.example.sharedprefapplication.MainActivity.*;
```

```
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

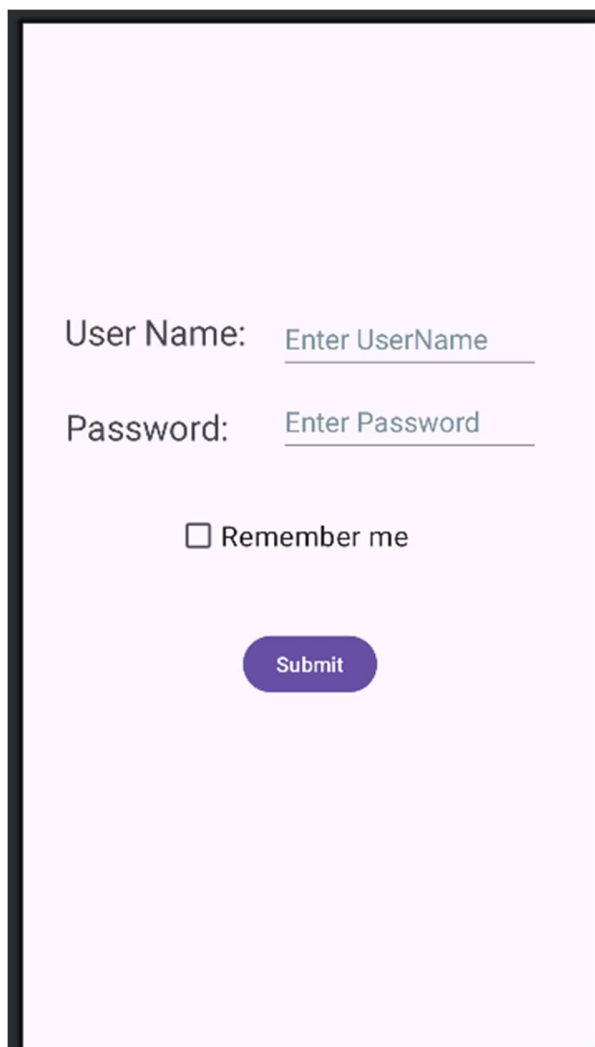
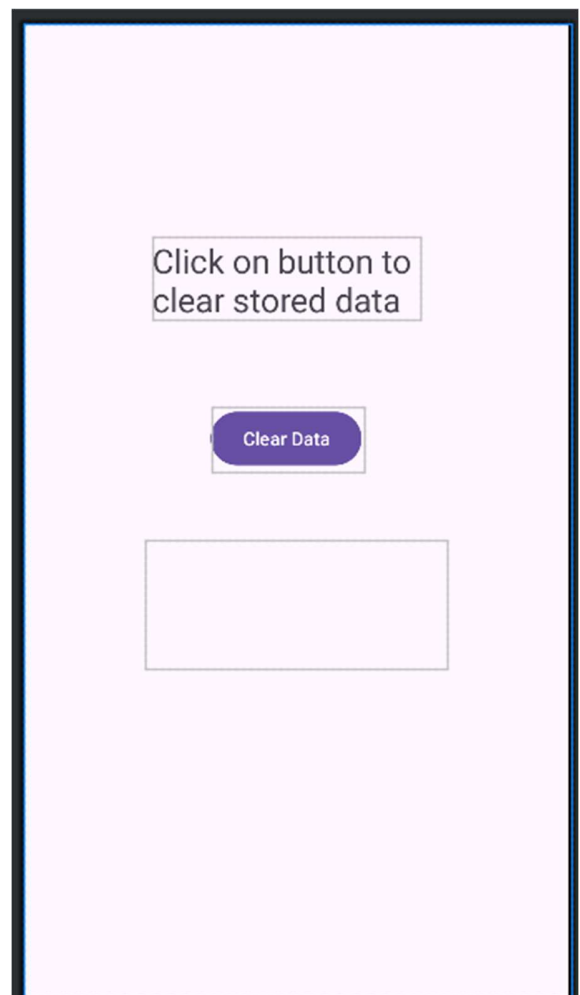
public class Filehandling extends AppCompatActivity {
    Button btnClearData;
    SharedPreferences sharedPreferences;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

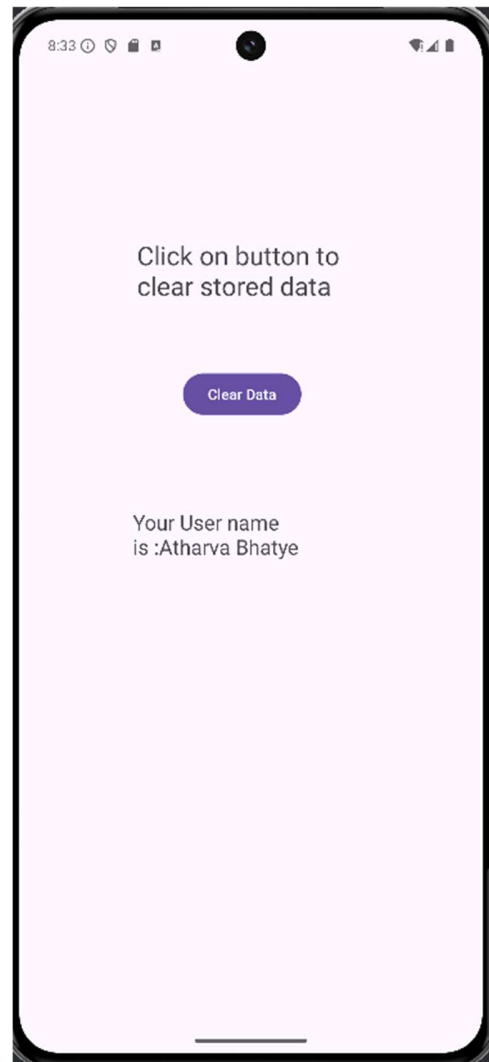
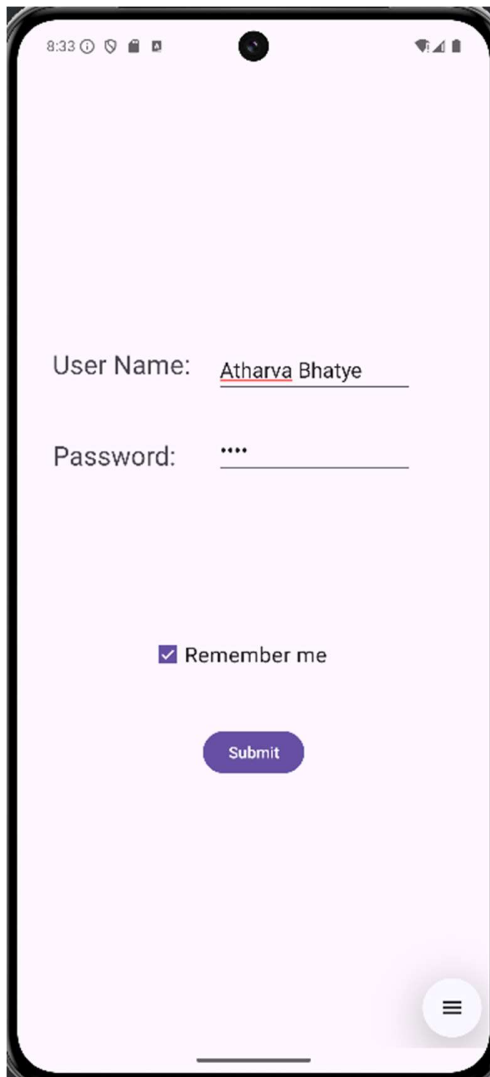
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_file_handling);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.file_handling), (v,
insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
            return insets;
        });
        getSharedRef();
        btnClearData=findViewById(R.id.btnClrData);
        btnClearData.setOnClickListener(view->clearSharedRef());
    }

    private void clearSharedRef(){
        sharedPreferences=getSharedPreferences(savedPref,MODE_PRIVATE);
        SharedPreferences.Editor editor=sharedPreferences.edit().clear();
        editor.apply();
        editor.commit();
        Toast.makeText(this,"Shared Preference is deleted !",Toast.LENGTH_SHORT).show();
        getSharedRef();
    }

    @SuppressWarnings("SetTextI18n")
    public void getSharedRef(){
```

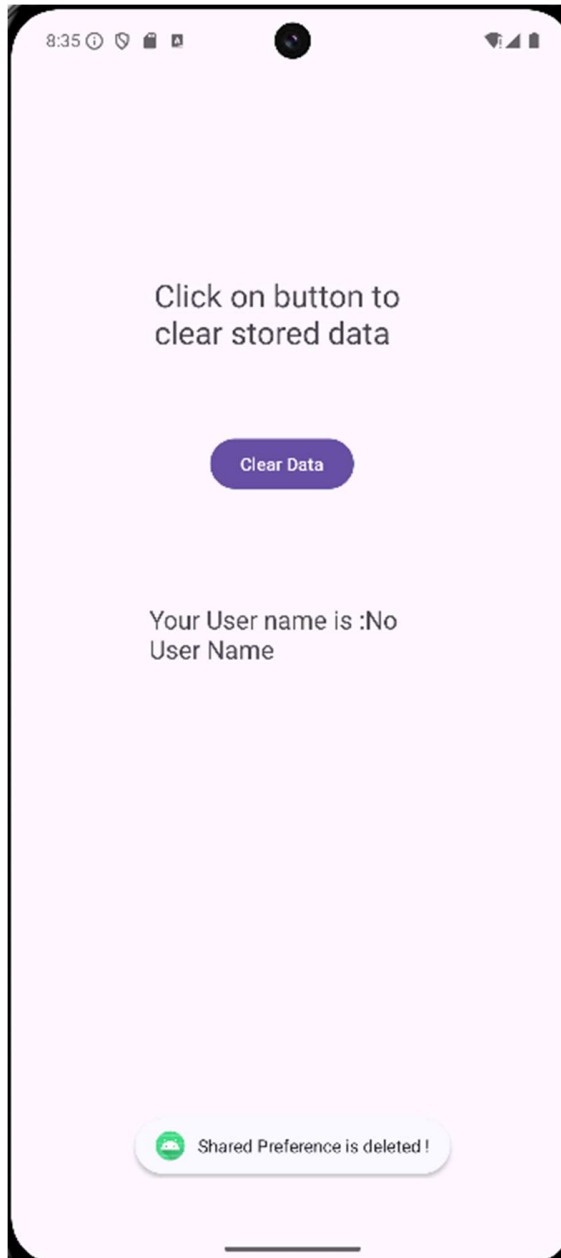
```
TextView textVwInfo=findViewById(R.id.textVwInfo);
sharedPreferences=getSharedPreferences(savedPref,MODE_PRIVATE);
String name=sharedPreferences.getString(userNamePref,"No User Name");
textVwInfo.setText("Your User name is :"+name);
}
}
```

Output:**1)activity_main.xml:**The screenshot shows a mobile application interface for user login. It features a light pink background. At the top, there is a label "User Name:" followed by a text input field with the placeholder text "Enter UserName". Below this is a label "Password:" followed by a text input field with the placeholder text "Enter Password". Under the password field, there is a checkbox labeled "Remember me". At the bottom center, there is a purple rounded rectangular button with the text "Submit" in white.**2) activity_file_handling.xml:**The screenshot shows a mobile application interface for file handling. It features a light pink background. At the top, there is a text box containing the instruction "Click on button to clear stored data". Below this text box is a purple rounded rectangular button with the text "Clear Data" in white. At the bottom, there is a large, empty rectangular box with a thin black border.



After checked "Remember me" :-

```
</> activity_main.xml  </> mypref.xml ×
1  <?xml version='1.0' encoding='utf-8' standalone='yes' ?>
2  <map>
3      <string name="UsrNm">Atharva Bhatye</string>
4      <string name="UsrPass">1234</string>
5  </map>
6  |
```



After clicking on “Clear Data” button:-

```
</> activity_main.xml    </> mypref.xml x
1  <?xml version='1.0' encoding='utf-8' standalone='yes' ?>
2  <map>
3      <string name="UsrNm"></string>
4      <string name="UsrPass"></string>
5  </map>
6
```