Program 7

Create an android application to demonstrate storing data into internal phone memory.

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| activity\_main.xml | encoding="utf-8"?> android=["http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android)  [http://schemas.android.com/tools"](http://schemas.android.com/tools)  "@+id/activity\_main"  ="match\_parent"  ="match\_parent"  "com.example.internalstoragedemo.MainActivity">  "@string/name" layout\_width="wrap\_content" layout\_height="wrap\_content" t\_alignParentTop="true"  layout\_alignParentLeft="true"  \_alignParentStart="true" layout\_marginLeft="51dp" layout\_marginStart="51dp" layout\_marginTop="59dp" "@+id/txtname"  ="bold|italic" ="18sp" />  "@string/password" layout\_width="wrap\_content" layout\_height="wrap\_content" ut\_below="@+id/txtname"  layout\_alignLeft="@+id/txtname" layout\_alignStart="@+id/txtname" layout\_marginTop="56dp"  "@+id/txtpass"  ="bold|italic" ize="18sp" />  "@+id/editName" layout\_width="wrap\_content" layout\_height="wrap\_content" layout\_alignParentTop="true" layout\_marginStart="21dp" layout\_marginLeft="21dp" layout\_marginTop="48dp" layout\_toEndOf="@+id/txtpass" layout\_toRightOf="@+id/txtpass"  "8"  ="textPersonName" />  "@+id/editPass" layout\_width="wrap\_content" layout\_height="wrap\_content" layout\_below="@+id/editName" layout\_alignStart="@+id/editName" |
| <?xml version="1.0" <RelativeLayout xmlns:  xmlns:tools=["](http://schemas.android.com/tools)  android:id= android:layout\_width android:layout\_height tools:context= <TextView android:text= android: android:  android:layou android:  android:layout android: android: android: android:id= android:textStyle android:textSize  <TextView android:text= android: android:  android:layo android: android: android: android:id= android:textStyle android:textS <EditText android:id= android: android: android: android: android: android: android: android:  android:ems= android:inputType  <EditText android:id= android: android: android: android: |

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| android:layout\_alignLeft="@+id/editName" android:layout\_marginTop="35dp" android:ems="10"  android:inputType="textPassword" />  <Button  android:text="@string/save" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_below="@+id/editPass" android:layout\_alignLeft="@+id/txtpass" android:layout\_alignStart="@+id/txtpass" android:layout\_marginTop="86dp" android:id="@+id/button"  android:onClick="save"/> // OnClick "save"  <Button  android:text="@string/next" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignTop="@+id/button" android:layout\_alignRight="@+id/editName" android:layout\_alignEnd="@+id/editName" android:layout\_marginRight="25dp" android:layout\_marginEnd="25dp" android:id="@+id/button2"  android:onClick="next"/> // OnClick "next"  </RelativeLayout> | |
| MainActivity.java | internalstoragedemo;  .AppCompatActivity;  ;  ;  ;  ;  ;  ;  ;  ;  extends AppCompatActivity { ,editpass;  onCreate(Bundle savedInstanceState) {  (savedInstanceState); *activity\_main*);  (EditText) findViewById(R.id.*editName*);  (EditText) findViewById(R.id.*editPass*); |
| package com.example.    import androidx.appcompat.app import android.os.Bundle import android.content.Context import android.content.Intent import android.view.View import android.widget.EditText import android.widget.Toast import java.io.File; import java.io.FileOutputStream import java.io.IOException public class MainActivity  EditText editname @Override protected void super.onCreate setContentView(R.layout.  editname = editpass= |

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| }  public void save(View view) // SAVE  {  File file= null;  String name = editname.getText().toString();  String password = editpass.getText().toString(); FileOutputStream fileOutputStream = null; try {  name = name + " "; file = getFilesDir();  fileOutputStream = openFileOutput("Code.txt", Context.*MODE\_PRIVATE*); //MODE PRIVATE fileOutputStream.write(name.getBytes()); fileOutputStream.write(password.getBytes());  Toast.*makeText*(this, "Saved \n" + "Path --" + file + "\tCode.txt", Toast.*LENGTH\_SHORT*).show(); editname.setText(""); editpass.setText(""); return;  } catch (Exception ex) { ex.printStackTrace();  } finally { try {  fileOutputStream.close(); } catch (IOException e) {  e.printStackTrace();  }  } }  public void next( View view) //NEXT  {  Toast.*makeText*(this,"NEXT", Toast.*LENGTH\_SHORT*).show(); Intent intent= new Intent(this, Second\_Activity.class); startActivity(intent);  }  } | |
| activity\_second.xml | ="utf-8"?> android=["http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android)  [s.android.com/tools"](http://schemas.android.com/tools)  \_main2"  "match\_parent"  ="match\_parent"  .internalstoragedemo.SecondActivity">  "@string/getname"  ="wrap\_content"  ="wrap\_content"  ayout\_alignParentTop="true"  ="@+id/button3"  ="@+id/button3"  layout\_marginRight="11dp"  ="11dp"  ="76dp" |
| <?xml version="1.0" encoding  <RelativeLayout xmlns:  xmlns:tools=["http://schema](http://schemas.android.com/tools)  android:id="@+id/activity android:layout\_width= android:layout\_height tools:context="com.example  <TextView android:text= android:layout\_width android:layout\_height android:l  android:layout\_alignRight android:layout\_alignEnd android:  android:layout\_marginEnd android:layout\_marginTop |

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| android:id="@+id/textView3" android:textSize="18sp"  android:textStyle="bold|italic" />  <TextView  android:text="@string/getpassword" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"  android:layout\_below="@+id/textView3" android:layout\_alignRight="@+id/textView3" android:layout\_alignEnd="@+id/textView3" android:layout\_marginTop="33dp" android:id="@+id/textView4" android:textStyle="bold|italic" android:textSize="18sp" />  <TextView  android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_above="@+id/textView4" android:layout\_alignLeft="@+id/button4" android:layout\_alignStart="@+id/button4" android:id="@+id/getname" android:textStyle="bold|italic" android:textSize="18sp" />  <TextView  android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignBottom="@+id/textView4" android:layout\_alignLeft="@+id/getname" android:layout\_alignStart="@+id/getname" android:id="@+id/getpass" android:textStyle="bold|italic" android:textSize="18sp" />  <Button  android:text="@string/load" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:id="@+id/button3" android:layout\_marginLeft="35dp" android:layout\_marginStart="35dp" android:onClick="load"  android:layout\_below="@+id/textView4" android:layout\_alignParentLeft="true" android:layout\_alignParentStart="true" android:layout\_marginTop="80dp" />  <Button  android:text="@string/back" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginRight="54dp" android:layout\_marginEnd="54dp" android:id="@+id/button4" android:onClick="back"  android:layout\_alignBaseline="@+id/button3" android:layout\_alignBottom="@+id/button3" android:layout\_alignParentRight="true" android:layout\_alignParentEnd="true" />  </RelativeLayout> |

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| Second\_Activity.java | internalstoragedemo;  .AppCompatActivity;    ;    ;  ;  ; extends AppCompatActivity { getpass;  (Bundle savedInstanceState) { savedInstanceState); *activity\_second*);  (TextView)findViewById(R.id.*getname*);  (TextView)findViewById(R.id.*getpass*);  View view)  FileInputStream fileInputStream = openFileInput("Code.txt"); ; new StringBuffer();  read =fileInputStream.read())!= -1){ char)read);  buffer.toString());  String name = buffer.substring(0,buffer.indexOf(" "));  String pass = buffer.substring(buffer.indexOf(" ")+1);  .setText(name);  .setText(pass);  {  ;  this,"Loaded", Toast.*LENGTH\_SHORT*).show();  View view)  this,"Back", Toast.*LENGTH\_SHORT*).show();  Intent(this, MainActivity.class);  ; |
| package com.example.  import androidx.appcompat.app import android.os.Bundle; import android.content.Intent import android.util.Log; import android.view.View; import android.widget.TextView import android.widget.Toast import java.io.FileInputStream public class Second\_Activity  TextView getname,  @Override  protected void onCreate super.onCreate( setContentView(R.layout.  getname = getpass =  }  public void load(  { try {  int read = -1  StringBuffer buffer = while((  buffer.append((  }  Log.*d*("Code",  getname getpass  } catch (Exception e)  e.printStackTrace()  }  Toast.*makeText*(  }  public void back(  {  Toast.*makeText*(  Intent intent= new startActivity(intent)  }  } |