

Ex.No:5 Develop a program to accept username and password from the end user using Text View and Edit Text and display personal information of the student.

’ AIM:

To develop a program to accept username and password from the end user using Text View and Edit Text and display personal information of the student using Android Studio.

’ EQUIPMENTS REQUIRED:

Android Studio(Min.required Artic Fox)

’ ALGORITHM:

’ Step 1:

Open Android Stdio and then click on File -> New -> New project.

’ Step 2:

Then type the Application name as studentinfo and click Next.

’ Step 3:

Then select the Minimum SDK as shown below and click Next.

’ Step 4:

Then select the Empty Activity and click Next. Finally click Finish.

’ Step 5:

Design layout in activity_main.xml.

’ Step 6:

Accept username and password from the end user and the display information give in MainActivity file.

’ Step 7:

Save and run the application.

' PROGRAM:

```
/*  
Program to display login page.  
Developed by:M.Hariharan  
Registration Number :212221230034  
*/
```

' MainActivity.java

```
package com.example.exno5;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
public class MainActivity extends AppCompatActivity {  
    EditText editName, editPassword;  
    TextView result;  
    Button buttonSubmit, buttonReset;  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        editName = (EditText) findViewById(R.id.e1);  
        editPassword = (EditText) findViewById(R.id.e2);  
        result = (TextView) findViewById(R.id.textView);  
        buttonSubmit = (Button) findViewById(R.id.button3);  
        buttonReset = (Button) findViewById(R.id.button4);  
  
        buttonSubmit.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                String name = editName.getText().toString();  
                String password = editPassword.getText().toString();  
                result.setText("Name:\t" + name + "\nPassword:\t" + password );  
            }  
        });  
  
        buttonReset.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                editName.setText("");  
                editPassword.setText("");  
            }  
        });  
    }  
}
```

```

        result.setText("");
        editName.requestFocus();
    }
});
}
}

```

' 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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="205dp"
        android:layout_height="68dp"
        android:layout_marginBottom="52dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.191"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.773"
        app:layout_constraintTop_toBottomOf="@+id/button3" />

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Submit"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.179"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.543" />

    <Button
        android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Reset"
        app:layout_constraintBottom_toBottomOf="parent"

```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.772"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.543"
app:layout_constraintStart_toEndOf="@+id/button3" />
```

<Button

```
android:id="@+id/button"
android:layout_width="114dp"
android:layout_height="48dp"
android:text="Name"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.148"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.193" />
```

<Button

```
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Password"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.148"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.342"
app:layout_constraintTop_toBottomOf="@+id/button" />
```

<EditText

```
android:id="@+id/e1"
android:layout_width="192dp"
android:layout_height="48dp"
android:ems="10"
android:inputType="textPersonName"
android:minHeight="48dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.835"
app:layout_constraintStart_toEndOf="@+id/button"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.196"
tools:ignore="SpeakableTextPresentCheck" />
```

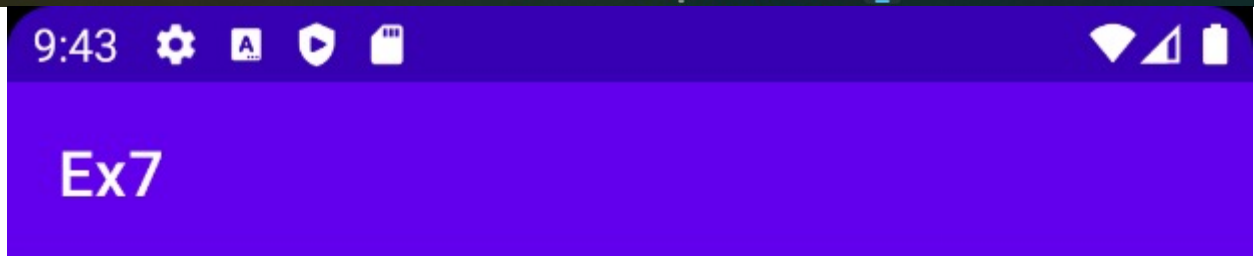
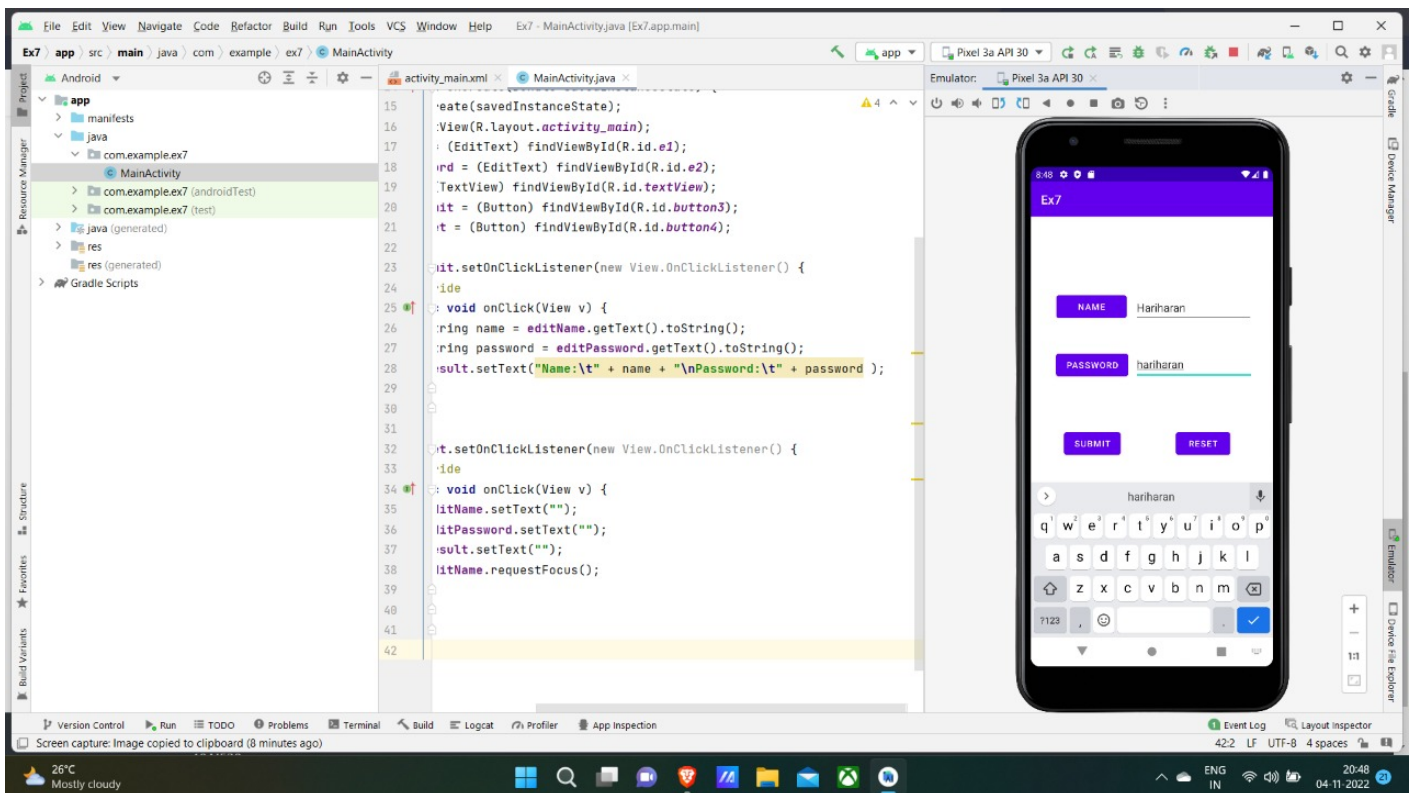
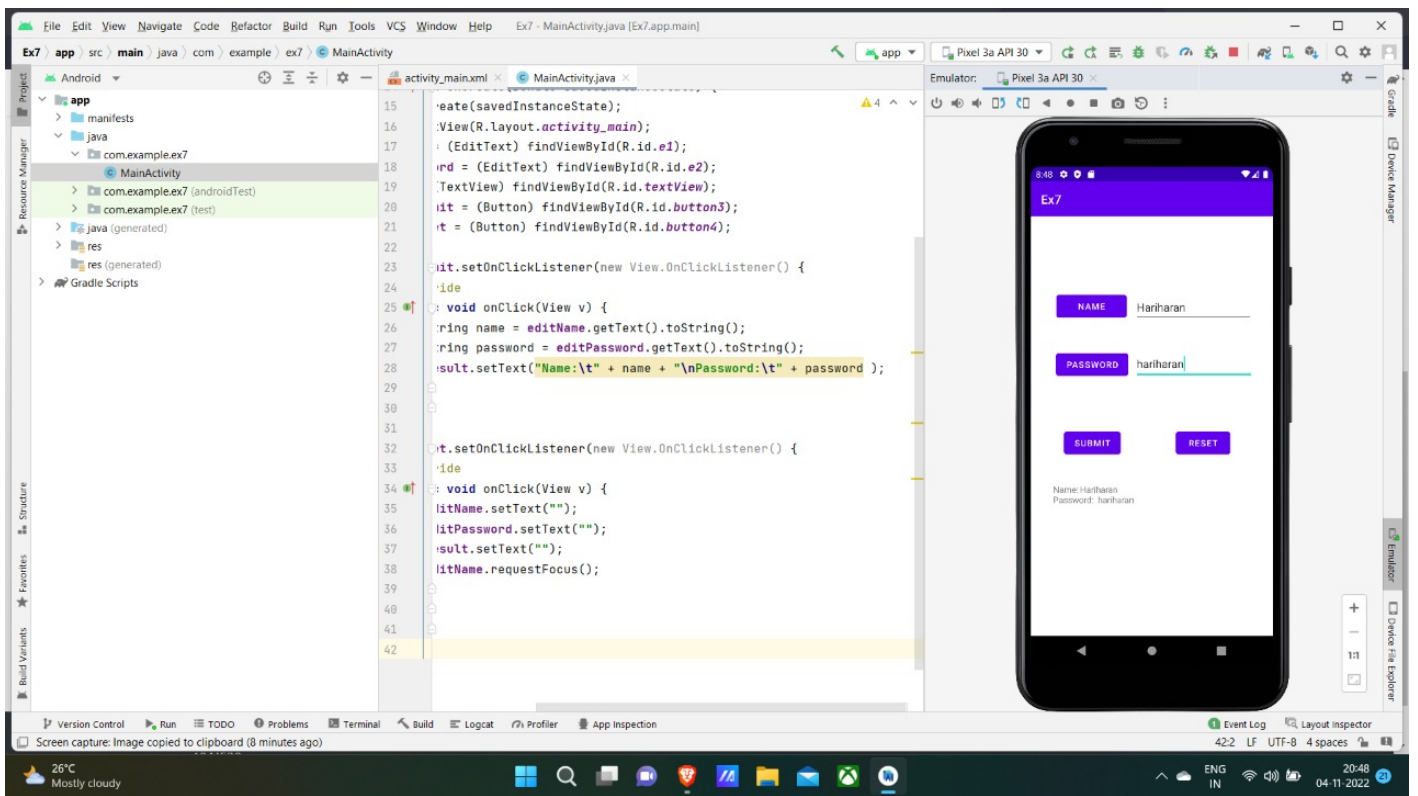
<EditText

```
android:id="@+id/e2"
android:layout_width="193dp"
android:layout_height="49dp"
android:ems="10"
```

```
android:inputType="textPersonName"
android:minHeight="48dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.84"
app:layout_constraintStart_toEndOf="@+id/button2"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/e1"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.341"
tools:ignore="SpeakableTextPresentCheck" />
```

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

' OUTPUT



NAME

Hariharan

PASSWORD

hariharan

SUBMIT

RESET

Name: Hariharan

Password: hariharan

' RESULT

Thus a Simple Android Application develop a program to accept username and password from the end user using Text View and Edit Text and display personal information of the student using Android Studio is developed and executed successfully.