## **Practical No: 7**

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Roll No: 66

1.write a program to accept the username and password from the end user using the text view and edit text.

```
Activity_main.xml(code for layout):-
<?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="wrap content"
    android:layout height="wrap content"
    android:text="Form"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.501"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.069" />
  <TextView
    android:id="@+id/textView2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout marginTop="132dp"
    android:text="Enter username: "
    android:textSize="16sp"
    app:layout_constraintBottom_toTopOf="@+id/textView3"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.112"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
```

app:layout constraintVertical bias="0.0" />

```
<EditText
  android:id="@+id/editTextTextPersonName"
  android:layout width="232dp"
  android:layout height="52dp"
  android:layout marginBottom="36dp"
  android:ems="10"
  android:hint="username"
  android:inputType="textPersonName"
  app:layout constraintBottom toTopOf="@+id/editTextTextPassword"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="1.0"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="1.0" />
<TextView
  android:id="@+id/textView3"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="Enter password:"
  android:textSize="16sp"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.111"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.279" />
<EditText
  android:id="@+id/editTextTextPassword"
  android:layout width="231dp"
  android:layout height="52dp"
  android:layout marginStart="8dp"
  android:ems="10"
  android:hint="password"
  android:inputType="textPassword"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.083"
  app:layout constraintStart toEndOf="@+id/textView3"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.272" />
```

<Button

```
android:id="@+id/button"
    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="0.475"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.366" />
  <TextView
    android:id="@+id/textView4"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="The username will be displayed here"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.642"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
  <TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="password will be displayed here"
    android:textSize="16sp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.55"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout_constraintVertical_bias="0.532" />
</androidx.constraintlayout.widget.ConstraintLayout>
MainActivity.java(code for functionality):-
package com.example.practical 7;
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 username, password;
  TextView dis,pas;
  Button submit;
  String s1;
  String s2;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    username = findViewById(R.id.editTextTextPersonName);
    password = findViewById(R.id.editTextTextPassword);
    dis = findViewById(R.id.textView4);
    pas = findViewById(R.id.textView5);
    submit = findViewById(R.id.button);
    submit.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View view) {
        s1=(username.getText().toString());
        s2=(password.getText().toString());
        dis.setText("the username is " + s1);
        pas.setText("the password is " + s2);
      }
    });
  }
}
```

## Output:

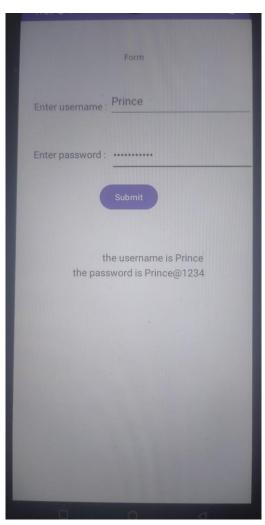


Fig: 6.1 display the username and password

## 2.write a program to accept and display personal information of the student using EditText and TextView.

```
Activity main.xml(code for layout):-
<?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/textView2"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:text=" Student Form"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout constraintHorizontal bias="0.439"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.05" />
  <TextView
    android:id="@+id/textView3"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout marginTop="96dp"
    android:text="Enter name"
    app:layout constraintBottom toTopOf="@+id/textView4"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.244" />
  <TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout marginStart="24dp"
    android:text="Enter roll no."
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
```

app:layout\_constraintVertical\_bias="0.236" />

```
<TextView
  android:id="@+id/textView5"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:layout marginStart="24dp"
  android:layout_marginTop="36dp"
  android:text="Enter Enroll no."
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView4" />
<TextView
  android:id="@+id/textView6"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:layout_marginStart="24dp"
  android:layout marginTop="28dp"
  android:text="Enter Marks"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView5" />
<EditText
  android:id="@+id/editTextTextPersonName"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginStart="20dp"
  android:ems="10"
  android:hint="Name"
  android:inputType="textPersonName"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.299"
  app:layout constraintStart toEndOf="@+id/textView3"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.136" />
<EditText
  android:id="@+id/editTextNumber"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginStart="32dp"
  android:layout_marginTop="12dp"
  android:ems="10"
  android:hint="Roll number"
  android:inputType="number"
  app:layout_constraintStart_toEndOf="@+id/textView4"
  app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName" />
```

```
<EditText
  android:id="@+id/editTextNumber2"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginStart="16dp"
  android:layout marginTop="8dp"
  android:ems="10"
  android:hint="enroll number"
  android:inputType="number"
  app:layout_constraintStart_toEndOf="@+id/textView5"
  app:layout_constraintTop_toBottomOf="@+id/editTextNumber" />
<EditText
  android:id="@+id/editTextNumberDecimal"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginStart="36dp"
  android:layout marginTop="8dp"
  android:ems="10"
  android:hint="marks"
  android:inputType="numberDecimal"
  app:layout_constraintStart_toEndOf="@+id/textView6"
  app:layout_constraintTop_toBottomOf="@+id/editTextNumber2" />
<Button
  android:id="@+id/button"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginStart="120dp"
  android:layout marginBottom="332dp"
  android:text="submit"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintStart toStartOf="parent"/>
<TextView
  android:id="@+id/textView7"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout marginEnd="148dp"
  android:layout_marginBottom="280dp"
  android:text="name will be displayed here "
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent" />
<TextView
  android:id="@+id/textView8"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
```

```
android:layout_marginStart="112dp"
    android:layout marginBottom="248dp"
    android:text="roll no. will be displayed here"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintStart toStartOf="parent"/>
  <TextView
    android:id="@+id/textView9"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout_marginStart="104dp"
    android:layout marginBottom="216dp"
    android:text="enrollment no. will be displayed here"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent" />
  <TextView
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout marginEnd="156dp"
    android:layout_marginBottom="188dp"
    android:text="marks will be displayed here"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
MainActivity.java(code for functionality):-
package com.example.practical_6;
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 Stud_name,Stud_roll,Stud_enroll,Stud_marks;
  Button Submit;
  TextView print_name,print_roll,print_enroll,print_marks;
  String s1,s2,s3,s4;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    Stud name=findViewById(R.id.editTextTextPersonName);
```

```
Stud roll=findViewById(R.id.editTextNumber);
    Stud enroll=findViewById(R.id.editTextNumber2);
    Stud_marks=findViewById(R.id.editTextNumberDecimal);
    Submit = findViewById(R.id.button);
    print_name=findViewById(R.id.textView7);
    print roll=findViewById(R.id.textView8);
    print_enroll=findViewById(R.id.textView9);
    print marks=findViewById(R.id.textView10);
    Submit.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View view) {
         s1=(Stud_name.getText().toString());
         s2=(Stud_roll.getText().toString());
         s3=(Stud_enroll.getText().toString());
         s4=( Stud marks.getText().toString());
         print_name.setText("the username is " + s1);
         print_roll.setText("the roll no. is "+ s2);
         print_enroll.setText("the enroll no. is " + s3);
         print_marks.setText("the marks is "+s4);
      }
    });
  }
}
```

## Output:

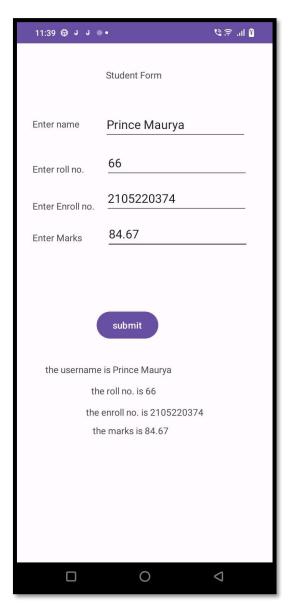


Fig: 4.3 accept and display the personal information of student