

Practical No 10

X.1

- **Program:**
- **XML File:**

```
<?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">
    <EditText
        android:id="@+id/pass"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:layout_marginEnd="36dp"
        android:ems="10"
        android:inputType="textPassword"
        android:textColor="#110303"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/username" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="49dp"
        android:layout_marginEnd="33dp"
        android:layout_marginBottom="524dp"
        android:text="Password"
```

```
android:textColor="#0E0606"
android:textSize="24sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/pass"
app:layout_constraintHorizontal_bias="0.444"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView2"
app:layout_constraintVertical_bias="0.0" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="8dp"
android:layout_marginTop="124dp"
android:layout_marginEnd="30dp"
android:text="Username"
android:textColor="#0E0606"
android:textSize="24sp"
app:layout_constraintEnd_toStartOf="@+id/username"
app:layout_constraintHorizontal_bias="0.466"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="32dp"
android:text="Instagram Login"
android:textColor="@color/black"
android:textSize="30sp"
android:textStyle="bold"
app:layout_constraintEnd_toEndOf="parent"
```

```

        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
<EditText
    android:id="@+id/username"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:layout_marginEnd="40dp"
    android:layout_marginBottom="64dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#110303"
    app:layout_constraintBottom_toTopOf="@+id/pass"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />

<Button
    android:id="@+id/button"
    android:layout_width="147dp"
    android:layout_height="52dp"
    android:layout_marginStart="125dp"
    android:layout_marginTop="55dp"
    android:layout_marginEnd="198dp"
    android:layout_marginBottom="422dp"
    android:fontFamily="sans-serif-smallcaps"
    android:text="Login"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/pass"
    app:layout_constraintVertical_bias="0.0" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

- **JAVA File:**

```
package com.example.mad_practicals;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    EditText user, pass;

    Button button;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        button = findViewById(R.id.button);
        user = findViewById(R.id.username);
        pass = findViewById(R.id.pass);
        button.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                if

                (user.getText().toString().equals("adv@gmail.com") &
                    pass.getText().toString().equals("adv@123")) {

                    Toast.makeText(getApplicationContext(), "Login Successful",
Toast.LENGTH_SHORT).show();

                } else if

                (user.getText().toString().equals("adventure@gmail.com") &
                    pass.getText().toString().equals("adventure@123")) {

                    Toast.makeText(getApplicationContext(), "Login Successful",
Toast.LENGTH_SHORT).show();

                } else {

                    Toast.makeText(getApplicationContext(), "Login Unsuccessful",
Toast.LENGTH_SHORT).show();

                }

            }

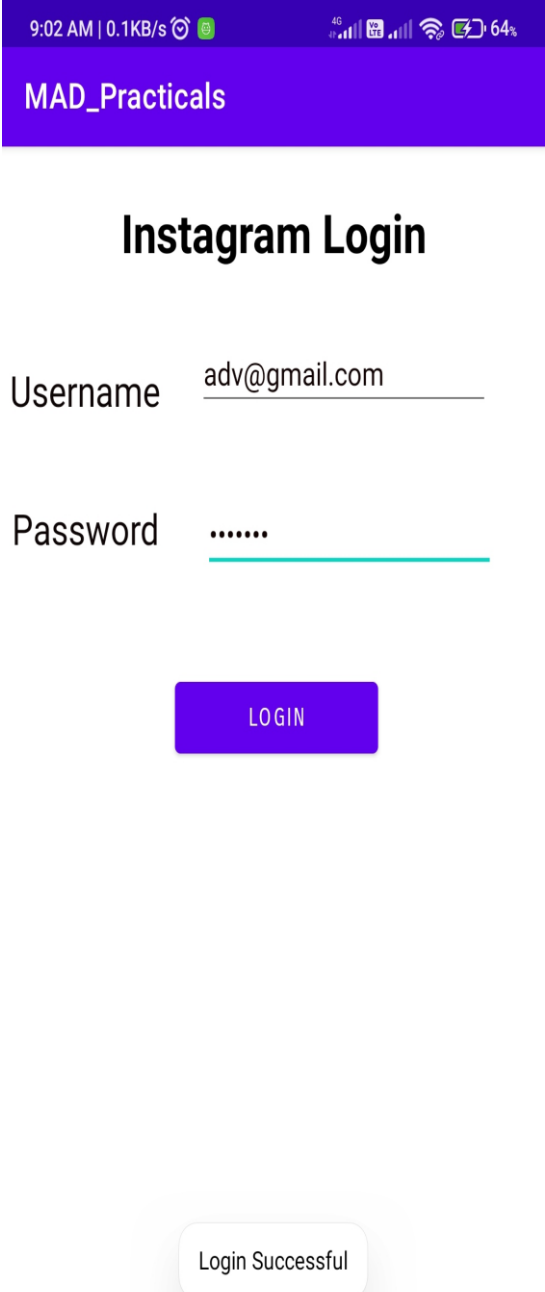
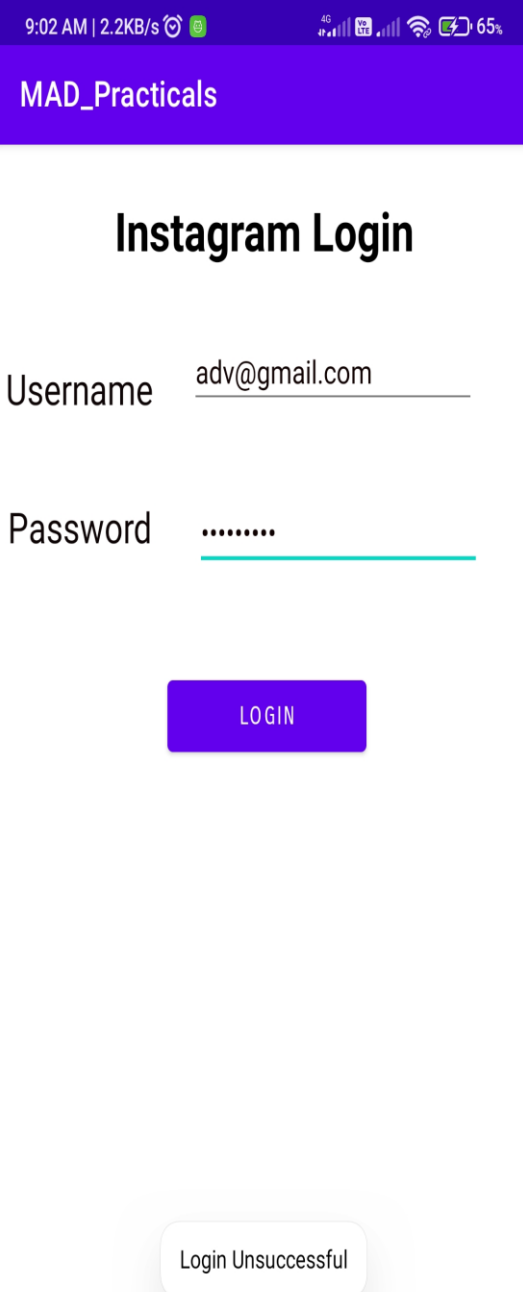
        });

    }

}
```

```
    }  
  }  
});  
}  
}
```

- **Output:**

	
--	---

X.2

- **Program:**
- **XML File:**

```
<?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">

    <EditText
        android:id="@+id/pass"
        android:layout_width="204dp"
        android:layout_height="45dp"
        android:layout_marginTop="48dp"
        android:layout_marginEnd="16dp"
        android:layout_marginRight="16dp"
        android:ems="10"
        android:inputType="textPassword"
        android:textColor="#110303"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/username" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="67dp"
        android:layout_marginEnd="33dp"
        android:layout_marginBottom="524dp"
```

```
android:fontFamily="sans-serif-smallcaps"
android:text="Password"
android:textColor="#0E0606"
android:textSize="24sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/pass"
app:layout_constraintHorizontal_bias="0.512"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView2"
app:layout_constraintVertical_bias="0.0" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="8dp"
android:layout_marginTop="110dp"
android:layout_marginEnd="30dp"
android:fontFamily="sans-serif-smallcaps"
android:text="Enrollment No"
android:textColor="#0E0606"
android:textSize="24sp"
app:layout_constraintEnd_toStartOf="@+id/username"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="32dp"
android:text="Student Registration"
android:textColor="@color/black"
```

```
android:textSize="30sp"
android:textStyle="bold"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<EditText

```
android:id="@+id/username"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="40dp"
android:layout_marginEnd="12dp"
android:layout_marginRight="12dp"
android:layout_marginBottom="64dp"
android:ems="10"
android:inputType="number"
android:textColor="#110303"
app:layout_constraintBottom_toTopOf="@+id/pass"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

<Button

```
android:id="@+id/button"
android:layout_width="135dp"
android:layout_height="52dp"
android:layout_marginStart="125dp"
android:layout_marginTop="55dp"
android:layout_marginEnd="198dp"
android:layout_marginBottom="422dp"
android:fontFamily="sans-serif-smallcaps"
android:text="Login"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
```



```

        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/pass"
        app:layout_constraintVertical_bias="0.0" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

- **JAVA File:**

```

package com.example.mad_practicals;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    EditText user, pass;
    Button button;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        button = findViewById(R.id.button);
        user = findViewById(R.id.username);
        pass = findViewById(R.id.pass);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if (user.getText().toString().equals("2005080044") &
                    pass.getText().toString().equals("adv@123")) {
                    Toast.makeText(getApplicationContext(), "Login Successful",
Toast.LENGTH_SHORT).show();
                } else if
                (user.getText().toString().equals("2005080045") &
                    pass.getText().toString().equals("adventure@123")) {

```

```

        Toast.makeText(getApplicationContext(), "Login Successful",
Toast.LENGTH_SHORT).show();
    } else {
        Toast.makeText(getApplicationContext(), "Login Unsuccessful",
Toast.LENGTH_SHORT).show();
    }
}
});
}
}

```

- **Output:**

