

Experiment No. 6

Aim: Create and Login application and open a browser with any one search engine.

Program:

- **Activity.xml :-**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
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"
    android:background="@color/yellow"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/tv1"
        android:text="Login Form"
        android:textStyle="bold"
        android:textSize="35sp"
        android:background="@color/red"
        android:textColor="@color/white"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="100dp"/>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/tv2"
        android:text="Name :-"
        android:textSize="20dp"
        android:textColor="@color/black"
        android:layout_marginTop="175dp"/>

    <EditText
        android:id="@+id/et1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/tv1"
        android:layout_marginLeft="45dp"
        android:layout_marginTop="15dp"
        android:layout_toRightOf="@+id/tv2"
        android:gravity="center"
        android:hint="Please Enter Your Name"
```

```

        android:minHeight="48dp" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/tv3"
    android:text="Password :-"
    android:textColor="@color/black"
    android:textSize="20dp"
    android:layout_marginTop="235dp"/>
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/et2"
    android:layout_below="@+id/et1"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="15dp"
    android:layout_toRightOf="@+id/tv3"

    android:gravity="center"
    android:hint="Please Enter Your Password"
    android:inputType="textPassword"
    android:minHeight="48dp"/>
<Button
    android:id="@+id/log"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="35dp"
    android:padding="13dp"
    android:layout_marginLeft="175dp"
    android:layout_below="@+id/et2"
    android:text="Login"
    android:onClick="click" />

</RelativeLayout>

```

- **colors.xml :-**

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="purple_200">#FFBB86FC</color>
    <color name="purple_500">#FF6200EE</color>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFFF</color>
    <color name="yellow">#FFEB3B</color>
    <color name="mor">#08E3FF</color>
    <color name="red">#F44336</color>

</resources>

```

- **MainActivity.java :-**

```
package com.example.insta;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
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 et1, et2;
    Button log;
    String username, password;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        et1=findViewById(R.id.et1);
        et2=findViewById(R.id.et2);
        log=findViewById(R.id.log);
    }

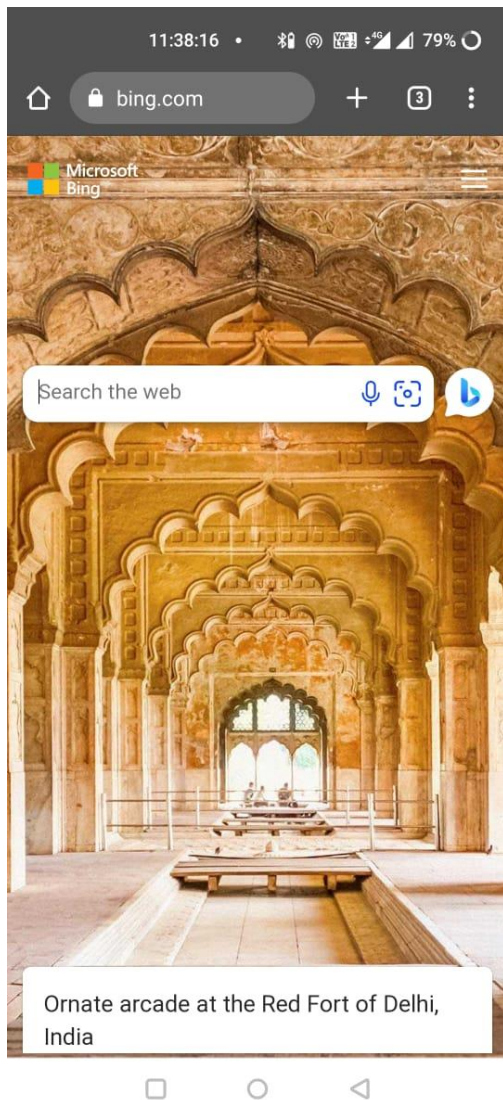
    public void click(View view) {
        username= et1.getText().toString();
        password= et2.getText().toString();
        if(username.equals("Manish Jadhav") &&
password.equals("2809")){
            Intent intent = new Intent(Intent.ACTION_VIEW);

intent.setData(Uri.parse("https://www.bing.com/"));
            startActivity(intent);
        }
        else{
            Toast.makeText(this, "Login Failed",
Toast.LENGTH_SHORT).show();
        }
    }
}
```

Output:

This screenshot shows the initial state of the login form. The status bar at the top displays the time 11:38:04, signal strength, Wi-Fi, 4G, and 79% battery. The app's title bar is blue and labeled 'Insta'. The main content area has a yellow background. A red box with the text 'Login Form' is centered. Below it, the 'Name :-' label is followed by a text input field containing the placeholder 'Please Enter Your Name'. The 'Password :-' label is followed by a text input field containing the placeholder 'Please Enter Your Password'. A blue 'LOGIN' button is positioned below the password field. The bottom of the screen shows the standard Android navigation bar.

This screenshot shows the login form after user input. The status bar at the top displays the time 11:38:10, signal strength, Wi-Fi, 4G, and 79% battery. The app's title bar is blue and labeled 'Insta'. The main content area has a yellow background. A red box with the text 'Login Form' is centered. Below it, the 'Name :-' label is followed by a text input field containing the text 'Manish Jadhav'. The 'Password :-' label is followed by a text input field containing four dots '....'. A blue 'LOGIN' button is positioned below the password field. The bottom of the screen shows the standard Android navigation bar.



Conclusion:

Hence, by completing this experiment I came to know that how to Create and Login application and open a browser with any one search engine.

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)