

PROGRAM:

activitymain.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical">

    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Email Address"
        android:textColor="@color/black"
        android:ems="10"
        android:inputType="textEmailAddress" />
    <EditText
        android:id="@+id/password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:hint="PASSWORD "
        android:textColor="@color/teal_700"
        android:inputType="textPassword"
        android:ems="10"
        />
    <Button
        android:id="@+id/login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:text="Login"
        android:textColor="@android:color/white"
        android:textSize="10sp" />

</LinearLayout>
```

MainActivity.java:

```
package com.example.app_domain;

import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
import android.os.Bundle;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
    EditText email, password;
    Button login;
    TextView register;
    boolean isEmailValid, isPasswordValid;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    email = (EditText) findViewById(R.id.email);
    password = (EditText) findViewById(R.id.password);
    login = (Button) findViewById(R.id.login);
    login.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            SetValidation();
        }
    });
}
```

```
public void SetValidation() {
```

```
    if (email.getText().toString().isEmpty()) {
        email.setError(getResources().getString(R.string.email_error));
        isEmailValid = false;
    } else if (!Patterns.EMAIL_ADDRESS.matcher(email.getText().toString()).matches()) {
        email.setError(getResources().getString(R.string.error_invalid_email));
        isEmailValid = false;
    } else {
        isEmailValid = true;
    }
}
```

```
    if (password.getText().toString().isEmpty()) {
        password.setError(getResources().getString(R.string.password_error));
        isPasswordValid = false;
    } else if (password.getText().length() < 6) {
        password.setError(getResources().getString(R.string.error_invalid_password));
    }
}
```

```

        isPasswordValid = false;
    } else {
        isPasswordValid = true;
    }

    if (isEmailValid && isPasswordValid) {
        Toast.makeText(getApplicationContext(), "Successfully Login",
Toast.LENGTH_SHORT).show();
        Intent intent = new Intent(MainActivity.this, MainActivity2.class);
        startActivity(intent);
    }

}
}

```

activity_main2.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"
    tools:context=".MainActivity2">

    <TextView
        android:id="@+id/textview3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textview"
        android:layout_marginTop="188dp"
        android:background="#4CAF50"
        android:text="ADMIN"
        android:textSize="80px"
        tools:layout_editor_absoluteY="102dp" />

    <TextView
        android:id="@+id/textview2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textview"
        android:layout_marginTop="93dp"
        android:background="#00BCD4"
        android:text="USER"
        android:textSize="80px"
        tools:layout_editor_absoluteY="102dp" />

    <TextView

```

```

        android:id="@+id/textview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_marginTop="4dp"
        android:background="#9C27B0"
        android:text="HOSPITAL MANAGEMENT SYSTEM"
        android:textSize="100px"
        tools:layout_editor_absoluteY="102dp" />

```

```

<ImageView
    android:id="@+id/imageview"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textview3"
    android:layout_marginTop="121dp"
    android:src="@drawable/b" />

```

</RelativeLayout>

MainActivity2.java:

```

package com.example.app_domain;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
    }
}

```

String.xml:

```

<resources>
    <string name="app_name">11</string>
    <string name="email_error">Please enter a email address</string>    <string
name="error_invalid_email">Email is not valid</string>
    <string name="password_error">Please enter a password</string>
    <string name="error_invalid_password">Please enter a minimum password of 6
characters</string>
    <string name="title_activity_main2">MainActivity2</string>
    <!-- Strings used for fragments for navigation -->

```

```
<string name="first_fragment_label">First Fragment</string>
<string name="second_fragment_label">Second Fragment</string>
<string name="next">Next</string>
<string name="previous">Previous</string>
<string name="hello_first_fragment">Hello first fragment</string>
<string name="hello_second_fragment">Hello second fragment. Arg: %1$s</string>

</resources>
```

Manifest.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher" android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.11"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity3"
            android:exported="false">
            <meta-data
                android:name="android.app.lib_name"
                android:value="" />
            </activity>
        <activity
            android:name=".MainActivity2"
            android:exported="false"
            android:label="@string/title_activity_main2"
            android:theme="@style/Theme.11.NoActionBar">
            <meta-data
                android:name="android.app.lib_name"
                android:value="" />
            </activity>
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
```

```
<category android:name="android.intent.category.LAUNCHER" />
</intent-filter>

<meta-data
    android:name="android.app.lib_name"
    android:value="" />
</activity>
</application>

</manifest>
```

OUTPUT:

