Slips 13

Q.1] Java android program to demonstrate Registration form with validation.

Ans.

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android" xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<EditText android:id="@+id/editTextName" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_margin="16dp" android:hint="Name" />

<EditText android:id="@+id/editTextAddress" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_below="@id/editTextName" android:layout\_margin="16dp" android:hint="Address" />

<EditText android:id="@+id/editTextMobile" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_below="@id/editTextAddress" android:layout\_margin="16dp" android:hint="Mobile Number" android:inputType="phone" />

<EditText

android:id="@+id/editTextAge" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_below="@id/editTextMobile" android:layout\_margin="16dp" android:hint="Age" android:inputType="number" />

<Button

android:id="@+id/buttonRegister" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_below="@id/editTextAge" android:layout\_marginTop="16dp" android:layout\_centerHorizontal="true" android:text="Register" android:onClick="register" />

</RelativeLayout>

**MainActivity.java- package** com.example.myapplication;

import android.os.Bundle; import android.text.TextUtils; import android.view.View; import android.widget.EditText; import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity; public class MainActivity extends AppCompatActivity {

private EditText editTextName, editTextAddress, editTextMobile, editTextAge;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

editTextName = findViewById(R.id.editTextName); editTextAddress = findViewById(R.id.editTextAddress); editTextMobile = findViewById(R.id.editTextMobile); editTextAge = findViewById(R.id.editTextAge);

}

public void register(View view) {

String name = editTextName.getText().toString().trim();

String address = editTextAddress.getText().toString().trim();

String mobile = editTextMobile.getText().toString().trim();

String age = editTextAge.getText().toString().trim();

if (TextUtils.isEmpty(name)) { showToast("Please enter your name");

return;

}

if (TextUtils.isEmpty(address)) { showToast("Please enter your address");

return;

}

if (TextUtils.isEmpty(mobile)) { showToast("Please enter your mobile number");

return;

}

if (TextUtils.isEmpty(age)) { showToast("Please enter your age"); return;

}

// Perform additional validation if needed

// If all validations pass, registration is successful showToast("Registration Successful!");

// Add code here to perform further actions like saving data to database, etc.

}

private void showToast(String message) {

Toast.makeText(this, message,

Toast.LENGTH\_SHORT).show();

}

}