



The screenshot shows a mobile application interface with a purple header bar containing the text "M214040810". The main content area is white and contains the following elements:

- At the top right, there is a status bar with icons for Wi-Fi, signal strength, and battery, along with the time "5:29".
- Below the header, the text "محاسبه توان" (Power Calculation) is displayed.
- Underneath, there are two input fields with labels: "عدد اولی را وارد کنید" (Enter the first number) and "عدد دومی را وارد کنید" (Enter the second number).
- Below the input fields, the text "نتیجه توان" (Power Result) is displayed.
- At the bottom, there is a purple button with the text "محاسبه کن" (Calculate).

```

<?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">

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:layout_margin="50px"
    >
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="توان محاسبه"
    android:layout_margin="10px"
    android:textSize="30sp"/>
<EditText
    android:id="@+id/NumberOn"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="کنید وارد را اولی عدد"
    android:layout_margin="10px"
    android:textSize="30sp"/>
<EditText
    android:id="@+id/NumberTwo"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="کنید وارد را دومی عدد"
    android:layout_margin="10px"
    android:textSize="30sp"/>
<TextView
    android:id="@+id/Result"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="30sp"
    android:layout_margin="10px"
    android:text="توان نتیجه"/>
<Button
    android:id="@+id/Btn"
    android:backgroundTint="#FF9800"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="10px"
    android:text="کن محاسبه"/>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

```

package com.example.m214040810;

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 {

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

        EditText NumberOn= (EditText) findViewById(R.id.NumberOn);
        EditText NumberTwo= (EditText) findViewById(R.id.NumberTwo);
        TextView Result= (TextView) findViewById(R.id.Result);
        Button Btn=(Button)findViewById(R.id.Btn);

        Btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                int P=1;

                int X=Integer.parseInt(NumberOn.getText().toString());
                int Y=Integer.parseInt(NumberTwo.getText().toString());
                for (int i=1;i<=Y;i++)
                {
                    P=P*X;
                }
                Result.setText(String.valueOf(P));
            }
        });
    }
}

```

```
dependencies {  
    implementation 'androidx.appcompat:appcompat:1.3.1'  
    implementation 'com.google.android.material:material:1.4.0'  
    implementation 'androidx.constraintlayout:constraintlayout:2.1.0'  
    testImplementation 'junit:junit:4.+'  
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'  
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'  
}
```