CODE:

MainActivity

```java
package com.example.emicalculator;
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 P, N, _R;
    Button submit;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        P = findViewById(R.id.p);
        N = findViewById(R.id.n);
        _R = findViewById(R.id.r);
        submit = findViewById(R.id.submit);

        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                try {
                    int p = Integer.parseInt(P.getText().toString());
                    int n = Integer.parseInt(N.getText().toString());
                    int _r = Integer.parseInt(_R.getText().toString());
                    double r = (float) _r / 100.0;
                    double t = Math.pow(1 + r, n);
                    Toast.makeText(MainActivity.this, "Value of EMI:" +
String.valueOf(Math.round( p * r * (t / (t - 1)))),
Toast.LENGTH_SHORT).show();
                } catch (Exception e){
                    Toast.makeText(MainActivity.this, "Something went
wrong", Toast.LENGTH_SHORT).show();
                }


            }
        });
```

```
    }
}
```

activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical">
    <EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/p"
    android:inputType="number"
    android:hint="Enter the Value of P"/>
    <EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/n"
    android:inputType="number"
    android:hint="Enter the Value of N"/>
    <EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/r"
    android:inputType="number"
    android:hint="Enter the Value of R[1..100]"/>
    <Button
    android:id="@+id/submit"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/calculate"
    tools:text="Calculate" />
</LinearLayout>
```

OUTPUT:

EMICalculator

23655

568

23

CALCULATE

Value of EMI:5441