

Package com. example. Calculator.

```
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.TextView;
```

```
import android.widget
```

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

```
public class MainActivity extends AppCompatActivity  
{
```

```
    EditText e1, e2;
```

```
    TextView t1;
```

```
    int num1, num2;
```

① Override

```
protected void onCreate(Bundle savedInstanceState){
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_main);  
}
```

```
public boolean getNumbers(){
```

```
    e1 = (EditText) findViewById(R.id.num1);
```

```
    e2 = (EditText) findViewById(R.id.num2);
```

```
    t1 = (TextView) findViewById(R.id.result);
```



```
String S1 = e1.getText().toString();
```

```
String S2 = e2.getText().toString();
```

```
if ((S1.equals(null) & & S2.equals(null)) ||  
    (S1.equals("") & & S2.equals("")))
```

```
String result = "Please enter a value";
```

```
t1.setText(result);
```

```
return false;
```

```
}
```

```
else {
```

```
num1 = Integer.parseInt(S2);
```

```
num2 = Integer.parseInt(S2);
```

```
}
```

```
return true; }
```

```
public void doSum (View v) {
```

```
if (getNumbers()) {
```

```
int sum = num1 + num2;
```

```
t2.setText(Integer.toString(sum));
```

```
}
```

```
}
```

```
public void doPow (View v) {
```

```
if (getNumbers()) {
```

```
double sum = Math.pow(num1, num2);
```

```
t2.setText(Double.toString(sum));
```

```
}
```

```
}
```

```
public void doSub (View v) {
```

```
if (getNumbers()) {
```

```
int sum = num1 - num2;
```

```
t2.setText(Integer.toString(sum));
```

```
}
```

```
}
```

```
}
```