Program 1. Create an android application to find the factorial of a given number.

MainActivity.java

```
public void onClick(View v) {
   num1=Float.parseFloat(etNum1.getText().toString());
```

```
switch (v.getId()) {
    case R.id.btnAdd:
        oper = "+";
        for(int i=1;i<=num1;i++)
        {
            fact=fact*i;
        }
        result=fact;
        break;
    default:
        break;
}

// form the output line
    tvResult.setText("Factorial of"+ " " + num1 + " = " + result);
}</pre>
```

Activity main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   <LinearLayout
       <EditText
       </EditText>
   <LinearLayout
```

OUTPUT

