12/11/17 22:59:48 xor2.vhd

```
1: library STD;
2: library IEEE;
3: use IEEE.std_logic_1164.all;
4:
5: entity xor2 is
6: port(
7:     in1     : in std_logic;
8:     in2     : in std_logic;
9:     out1     : out std_logic
10: );
11: end xor2;
12:
13: architecture structural of xor2 is
14: begin
15:     out1 <= in1 xor in2;
16: end structural;
```