

Decimal to Binary Converter Program  
Pseudocode Algorithm

When the *flag* is clicked

Declare **binaryoutput\_16**, **binary\_output\_1**, **binaryoutput\_2**, **binaryoutput\_4**, **binaryoutput\_8**, **usernumber** As Variables

Set **binaryoutput\_16**, **binary\_output\_1**, **binaryoutput\_2**, **binaryoutput\_4**, **binaryoutput\_8**, **usernumber** = 0

Ask User: "Enter a number between 1 and 16."

**usernumber** = User answer

*If* **usernumber** /16 > 1 or **usernumber**/16 = 1 *Then*

**binaryoutput\_16** = 1

**usernumber** = **usernumber** mod 16

*end if*

*If* **usernumber** /8 > 1 or **usernumber**/8 = 1 *Then*

**binaryoutput\_8** = 1

**usernumber** = **usernumber** mod 8

*end if*

*If* **usernumber** /4 > 1 or **usernumber**/4 = 1 *Then*

**binaryoutput\_4** = 1

**usernumber** = **usernumber** mod 4

*end if*

*If* **usernumber** /2 > 1 or **usernumber**/2 = 1 *Then*

**Binaryoutput\_2** = 1

**usernumber** = **usernumber** mod 2

*end if*

*If* **usernumber** /1 > 1 or **usernumber**/1 = 1 *Then*

**binaryoutput\_1** = 1

**usernumber** = **usernumber** mod 1

*end if*

Output: "000", **binaryoutput\_16**, **binaryoutput\_8**, **binaryoutput\_4**, **binaryoutput\_2**, **binaryoutput\_1**