

Lab 4 – Program

For this and all future labs, I strongly encourage you to begin your programs with a comment header similar to the following:

```
/*  
Programmer: First & Last Name  
Class: CSCE 1030 Lab:  
Date: Today's Date  
Assignment: Lab 4  
cspXX.csci.unt.edu  
*/
```

You are welcome to include more information if you like.

This week's assignment we will continue with our look at control structures, but specifically the if statement. Please follow the detailed explanation and name your file accordingly: **LastnameProg4A.c**.

The program should:

1. Prompt the user for a positive integer value.
2. Determine if that value is greater than 0.
3. If the value is greater than 0, the program needs to determine if the following prime numbers (2, 3, 5, 7, 11, 13) can evenly divide the user supplied value.
4. Print those prime numbers to the user with the user supplied value.

Example:

```
Please enter a positive integer value.
```

```
-2
```

```
I am sorry, only positive numbers.
```

OR

```
Please enter a positive integer value.
```

```
21
```

```
3 is a prime factor of 21
```

```
7 is a prime factor of 21
```