

Breaking It Down

Project 3 – Ordinals and 12 Days of Christmas

It's that time again!

Time to discuss our next project!!

Task 1

Okay, so Task 1 wants you to write a function that takes a number and returns an ordinal back to you.

What's an ordinal you ask?

An ORDINAL is the word value for the order of a number. You know, in a race, you wouldn't say he is 1 and she is 2. (That would be unheard of.) You would say he is FIRST, and she is SECOND.

Your program will take a number (like 1) and return the ordinal back (first). It will only include the numbers between 1 and 12. Anything more will return a NULL.

You will be using Task 1 to help run Task 2.

Task 2

One of my wife's favorite Christmas carols of ALL TIME is "The Twelve Days of Christmas". She even has the moves down for each of the days! I really did not know the song was that deep where you could get a workout just by going through all the motions. Too much!

Anyway, I digress.

You will type out the lyrics for this song in your program.

The **MAIN** part of your program will call a function and include the verse number 1 through 12.

The **function** will write out the lyrics of the song and what the person received on that day. Remember, on the second day, the person receives 2 turtle doves **AND** a partridge in a pear tree. On the third day, the person receives 3 French hens **AND** 2 turtle doves **AND** a partridge in a pear tree.

Uh-huh. I hear your wheels turning in your head. I know EXACTLY what you WANT to do – you WANT to print out the whole verse for each day in your program. That choice of coding will not be good for performance reasons – we will discuss that later. What you want to do is use a loop to:

- Print the current day's info
- Subtract a day (using some sort of countdown variable)
- Print the previous day's info
- When you get to 1, you print day 1's info and you stop.

What kind of loop will be good for this? A WHILE loop is a good choice to help you out, know what I mean?

But HOW will you use Task 1??

What are the words of the song??

"On the xxxxxxx day of Christmas, my true love gave to me...."

Looks like the space where the X's are located would be where the return value from Task 1 would go. Yep, that is what it looks like to me.

Since you now have Task 1, the while loop, and the lyrics, you should be good to go!

But wait, what about the first day??

You have two options for the first day:

- If the verse is 1, print ("A Partridge in a pear tree")
- If the verse is anything other than 1, print ("And a Partridge in a pear tree")

I'll let you marinate on that for a bit. Can't give you everything, you know.

Feel free to ask me anything!