IPO Charts - Team 13

Component: Task Manager

Module Name: Number conversion

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Reviewers:

Inputs	Process	Outputs
Decimal number that the user wants to convert	Converts given input into octal, hexadecimal, and binary.	octal, binary, or hexadecimal number

Inputs:
Decimal number that the user wants to convert into octal, binary, or hexadecimal

Process Description
The program will use the scanner object to take in the user's desired decimal number. It will then convert that number into a binary, octal, and hexadecimal string.

Outputs
Octal, binary, and hexadecimal number

APIs/Objects:
Scanner object
System
Integer
String

Pseudocode:
1. Create scanner object
2. Read user input and assign it to an integer named decimal
3. Convert the decimal value to binary using Integer.toBinaryString(decimal) and assign it to a variable named binary
4. Convert the decimal value to octal using Integer.toOctalString(decimal) and assign it to a variable named octal
5. Convert the decimal value to hexadecimal using Integer.toHexString(decimal) and assign it to a variable named hexadecimal
6. Close the scanner object using input.close()