AP Computer Science



Bonus Assignment 1st Quarter: Hex->Bin- >Decimal Converter

Convert Hex to Binary

Hexadecimal: AF A=10 and F=15

Binary: 1010 1111

Convert Binary to Decimal

Provide a Graphical Program that will allow the user to input a number in either binary, decimal or hexadecimal. Depending on which field is filled in, fill in the other two with the corresponding values in the other systems.

 $\mathsf{String}^*\mathsf{Arrays}^*\mathsf{ArrayList}^*\mathsf{Client}$ $\mathsf{Server}^*\mathsf{Artificial}$ $\mathsf{Intelligence}^*\mathsf{Inheritance}^*\mathsf{Files}^*\mathsf{Video}$ $\mathsf{Games}^*\mathsf{Short}$ $\mathsf{circuit}$ $\mathsf{evaluation}^*$

Use the Big Integer class in order to handle large values. You may limit the values to 10 trillion if desired.

NOTE: Although the Integer class has some great methods like toBinaryString and toHexString, these are not to be used on this assignment.

Project Name	Number Converter
Class 1 Name	ConvertFrame
Class 2 Name	ConvertLogic

^{*}Recursion*Linear Search*Binary Search*Grid World Case Study*File Processing *nlogn*Hangman*

*