

Understanding the Problem

I think this problem is calculating the largest and smallest of short, int, and long, both signed and unsigned number by some functions. And for the second part, I should let the user input a Char, then change it into a decimal, binary, and hexadecimal number.

Devising a Plan/Design

1. First of all, I found macro from internet. Secondly, I calculate the largest and smallest of short, int, and long, both signed and unsigned number by some functions. Lastly, compare the answers with macro.
2. First of all, let the user input a Char, and then I change it into as decimal, binary, and hexadecimal number. I want to change the Char as decimal first, then change decimal as binary and hexadecimal.

Testing

1. Comparing my answers with the answers from macro.
2. Typing 10 Char ten times as input, then check the ASCII if the decimal is right or not. Calculating the binary and hexadecimal are right or not by handwriting.

Assignment2 Testing

1. Typing a Char and Typing a string of Char to check if the program working on both. If both can print the right binary, then it is good.
2. In the second step, input a number is not 1s or 0s only see if it print a error message and send the user back to input a values in base 2.
3. Input a number is 1s or 0s only to see if it can print the number match to the ASCII number in base 2.

Assignment 2

