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/*****
*      Author:   Jessica Schuler
*      Date Created:   10-13-13
*      Filename:    A2pow.cpp
*
*      Overview:
*          Display min and max numbers using pow
*      Input:
*          none
*
*      Output:
*          Will output the min and max numbers each number type can hold.
*
*****/
#include<iostream>
#include<climits>
#include<limits>
#include<cmath>

using namespace std;//I used this so I didn't have to type std:: in front of
everything!
int main()
{
    //Define variables below:

    short int shrt_min =(short) (pow((2), (sizeof(short)*8-1)));
    short int shrt_max =(short) (pow(2, (sizeof(short)*8-1))-1);
    int int      int_min =(int) (pow((2), (sizeof(int)*8-1)));
    int int      int_max =(int) (pow(2, (sizeof(int)*8-1))-1);
    long int long_min =(long) (pow((2), (sizeof(long)*15+1)));
    long int long_max =(long) (pow(2, (sizeof(long)*15-1))-1);
    unsigned short int ushrt_min = 0;
    unsigned short int ushrt_max =(unsigned short) (pow(2, (sizeof(unsigned
        short)*8))-1);
    unsigned int uint_min = 0;
    unsigned int uint_max =(unsigned int) (pow(2, (sizeof(unsigned int)*8))-1);
    unsigned long ulong_min = 0;
    unsigned long ulong_max = pow(2, (sizeof(unsigned long)*16)-1);

    return 0;
}

```