**Print Pretty**

20/44 challenges solved

Rank: **22229**|Points: **275.63**

CPP

**Your Print Pretty submission got 20.00 points.**

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Your manager gave you a text file with many lines of numbers to format and print. For each row of  space-separated doubles, format and print the numbers using the specifications in the *Output Format* section below.

**Input Format**

The first line contains an integer, , the number of test cases.   
Each of the  subsequent lines describes a test case as space-separated floating-point numbers: , , and , respectively.

**Constraints**

* Each number will fit into a double.

**Output Format**

For each test case, print  lines containing the formatted , , and , respectively. Each , , and  must be formatted as follows:

1. : Strip its decimal (i.e., truncate it) and print its hexadecimal representation (including the  prefix) in lower case letters.
2. : Print it to a scale of  decimal places, preceded by a  or  sign (indicating if it's positive or negative), right justified, and left-padded with underscores so that the printed result is exactly  characters wide.
3. : Print it to a scale of exactly nine decimal places, expressed in scientific notation using upper case.

**Sample Input**

1

100.345 2006.008 2331.41592653498

**Sample Output**

0x64

\_\_\_\_\_\_\_+2006.01

2.331415927E+03

**Explanation**

For the first line of output,  (in reverse, ).   
The second and third lines of output are formatted as described in the *Output Format* section.

<https://www.hackerrank.com/challenges/prettyprint/problem?h_r=next-challenge&h_v=zen>

#include <iostream>

#include <iomanip>

using namespace std;

int main() {

int T; cin >> T;

cout << setiosflags(ios::uppercase);

cout << setw(0xf) << internal;

while(T--) {

double A; cin >> A;

double B; cin >> B;

double C; cin >> C;

/\* Enter your code here \*/

// LINE 1

cout << hex << left << showbase << nouppercase; // formatting

cout << (long long) A << endl; // actual printed part

// LINE 2

cout << dec << right << setw(15) << setfill('\_') << showpos << fixed << setprecision(2); // formatting

cout << B << endl; // actual printed part

// LINE 3

cout << scientific << uppercase << noshowpos << setprecision(9); // formatting

cout << C << endl; // actual printed part

}

return 0;

}