3/11/2018 HackerRank



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Basic Data Types



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Some C++ data types, their format specifiers, and their most common bit widths are as follows:

- Int ("%d"): 32 Bit integer
- Long ("%ld"): 64 bit integer
- Char ("%c"): Character type
- Float ("%f"): 32 bit real value
- Double ("%lf"): 64 bit real value

Reading

To read a data type, use the following syntax:

```
scanf("`format_specifier`", &val)
```

For example, to read a character followed by a double:

```
char ch;
double d;
scanf("%c %lf", &ch, &d);
```

For the moment, we can ignore the spacing between format specifiers.

Printing

To print a data type, use the following syntax:

```
printf("`format_specifier`", val)
```

For example, to print a character followed by a double:

```
char ch = 'd';
double d = 234.432;
printf("%c %lf", ch, d);
```

Note: You can also use *cin* and *cout* instead of *scanf* and *printf*; however, if you are taking a million numbers as input and printing a million lines, it is faster to use *scanf* and *printf*.

Input Format

Input consists of the following space-separated values: int, long, char, float, and double, respectively.

Output Format

Print each element on a new line in the same order it was received as input. Note that the floating point value should be correct up to 3 decimal places and the double to 9 decimal places.

Sample Input

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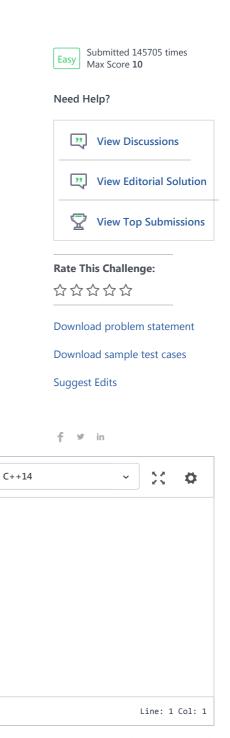
```
3 12345678912345 a 334.23 14049.30493
```

Sample Output

```
3
12345678912345
a
334.230
14049.304930000
```

Explanation

Print int 3, followed by long 12345678912345, followed by char a, followed by float 334.23, followed by double 14049.30493.



Run Code

Test against custom input

Current Buffer (saved locally, editable) &

// Complete the code.

1 ▼ #include <iostream>
2 #include <cstdio>

return 0;

5 ▼ int main() {

1 Upload Code as File

using namespace std;

3

6 7

8 }

Submit Code

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