Association for
Computing Machinery
INSAT Student Chapter

INSAT - National Institute of Applied Science and Technology

10 December 2023

CODE QUEST

PROBLEM SET

Training Session (1h30)

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Problem A: Teach Kid Luffy How To Count

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Monkey D. Garp, the Marines Hero, noticed that his grandkid Luffy can't count how much the groceries cost. Turns out little luffy doesn't know how too add nor multiply numbers. Garp is a busy old man so he couldn't teach his grandkid so he wants you to teach him how. Luffy would give you an operation that you need to evaluate for him.
Help luffy out with this task.

Input :

one line that contains the first number ***N***, the operation ***OP*** which is either **'+'** for addition or **''*** for multiplication, and the second number ***M*** $1 \leq N, M \leq 10^9$

Output :

Output The result of this operation.

Be aware of integer overflow. Use a 64-bit integer datatype if you're using Java or C or C++ (long for java, long long for C and C++ and %lld). The int data type is a 32-bit integer with a maximum value of 2147483647

Example:

Input :

```
10 + 12
```

Output :

```
22
```

Input :

```
100 * 200
```

Output :

```
20000
```

Problem B: Kizaru the Sloth

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Kizaru is a strong marine admiral. One may say he is the strongest out there maybe even more than Garp the marine hero himself. However there is one problem with him. He is a sloth. An admiral doesn't only have to fight pirates but also have to take care of a lot of paper work. Kizaru is too lazy to do it by himself. So he asks Dr Vegapunk so he can build him a robot that write down whatever kizaru says a number of times as he demands.

As the new assisstant of Dr Vegapunk, you are tasked with writing the robot's program for him.

Input :

The first line contains the number ***N*** the number of sentences he will say. $1 \leq N \leq 1000$

The next **N** lines, each contains a number ***len*** the length of the sentence, a string ***S*** the sentence to be written and the number ***M*** the number of times the sentence will be repeated. $1 \leq len \leq 1000$, $0 \leq M \leq 1000$

Output :

Output the sentences written by the robot.

Example:

Input :

```
2
5 kizaru 10
2 No 4
```

Output :

```
kizarukizarukizarukizarukizarukizarukizarukizarukizarukizaru
NoNoNoNo
```

Input :

```
3
1 I 10
9 Sentomaru 1
```

Output :

```
IIIIIIIIII
Sentomaru
```