
Control C201B

P64976_en

The n first lines of multiplication table of a natural number n are given by n multiplied by one, two, three, ..., until n . For instance, being $n = 5$ we have $5 \times 1 = 5$, $5 \times 2 = 10$, $5 \times 3 = 15$, $5 \times 4 = 20$, $5 \times 5 = 25$.

Your task is to write a program that reads a natural number n and prints the n first lines of its multiplication table.

Input

The input is a natural number n .

Output

Your program must print the n first lines of the multiplication table of n , following the format of the instances.

Sample input 1

5

Sample output 1

```
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
```

Sample input 2

1

Sample output 2

```
1 x 1 = 1
```

Sample input 3

0

Sample output 3

Sample input 4

10

Sample output 4

```
10 x 1 = 10
10 x 2 = 20
10 x 3 = 30
10 x 4 = 40
10 x 5 = 50
10 x 6 = 60
10 x 7 = 70
10 x 8 = 80
10 x 9 = 90
10 x 10 = 100
```

Problem information

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