Control C201B   P64976_en

The n first lines of multiplication table of a natural number n are given by n multiplicated 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

Author: Professorat de P1
Translator: Carlos Molina

Generation: 2026-01-25T11:22:25.515Z