

M. Capital or Small or Digit

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

Given a letter X. Determine whether X is Digit or Alphabet and if it is Alphabet determine if it is Capital Case or Small Case.

- Digits in ASCII '0' = 48,'1' = 49etc
- Capital letters in ASCII 'A' = 65, 'B' = 66etc
- Small letters in ASCII 'a' = 97,'b' = 98etc

Input
Only one line containing a character X which will be a capital or small letter or digit.

Output
Print a single line contains "IS DIGIT" if X is digit otherwise, print "ALPHA" in the first line followed by a new line that contains "IS CAPITAL" if X is a capital letter and "IS SMALL" if X is a small letter.

Examples

input: A, output: ALPHA, IS CAPITAL

input: 9, output: IS DIGIT

input: a, output: ALPHA, IS SMALL

Note
** recommended to read this to know more about ASCII Code https://www.javatpoint.com/ascii.

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Group Contests
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Sheet #1 (Data type - Conditions)
Finished

About Time Scaling
This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the link.



Virtual participation
Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.
Start virtual contest

→ **Practice?**

Want to solve the contest problems after the official contest ends? Just register for practice and you will be able to submit solutions.

[Register for practice](#)

→ **Contest materials**

- [Separated Statements \(en\)](#) 
- [1Statements in PDF \(en\)](#) 

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