## Problem

Python has built-in string validation methods for basic data. It can check if a string is composed of alphabetical characters, alphanumeric characters, digits, etc.

[str.isalnum()](https://docs.python.org/2/library/stdtypes.html#str.isalnum)  
This method checks if all the characters of a string are alphanumeric *(a-z, A-Z and 0-9)*.

>>> print 'ab123'.isalnum()

True

>>> print 'ab123#'.isalnum()

False

[str.isalpha()](https://docs.python.org/2/library/stdtypes.html#str.isalpha)  
This method checks if all the characters of a string are alphabetical *(a-z and A-Z)*.

>>> print 'abcD'.isalpha()

True

>>> print 'abcd1'.isalpha()

False

[str.isdigit()](https://docs.python.org/2/library/stdtypes.html#str.isdigit)  
This method checks if all the characters of a string are digits *(0-9)*.

>>> print '1234'.isdigit()

True

>>> print '123edsd'.isdigit()

False

[str.islower()](https://docs.python.org/2/library/stdtypes.html#str.islower)  
This method checks if all the characters of a string are lowercase characters *(a-z)*.

>>> print 'abcd123#'.islower()

True

>>> print 'Abcd123#'.islower()

False

[str.isupper()](https://docs.python.org/2/library/stdtypes.html#str.isupper)  
This method checks if all the characters of a string are uppercase characters *(A-Z)*.

>>> print 'ABCD123#'.isupper()

True

>>> print 'Abcd123#'.isupper()

False

**Task**

You are given a string S.  
Your task is to find out if the string S contains: *alphanumeric characters, alphabetical characters, digits, lowercase and uppercase characters*.

**Input Format**

A single line containing a string S.

**Constraints**

0 <= len(s) <= 100

**Output Format**

In the first line, print True if S has any *alphanumeric characters*. Otherwise, print False.  
In the second line, print True if S has any *alphabetical characters*. Otherwise, print False.  
In the third line, print True if S has any *digits*. Otherwise, print False.  
In the fourth line, print True if S has any *lowercase characters*. Otherwise, print False.  
In the fifth line, print True if S has any *uppercase characters*. Otherwise, print False.

**Sample Input**

qA2

**Sample Output**

True

True

True

True

True

## Solution

if \_\_name\_\_ == '\_\_main\_\_':

    s = input()

status = "False"

for element in s:

    if element.isalnum():

        status = "True"

print(status)

status = "False"

for element in s:

    if element.isalpha():

        status = "True"

print(status)

status = "False"

for element in s:

    if element.isdigit():

        status = "True"

print(status)

status = "False"

for element in s:

    if element.islower():

        status = "True"

print(status)

status = "False"

for element in s:

    if element.isupper():

        status = "True"

print(status)