**Python program to check if a string has at least one letter and one number**

**def** checkString(str):

    # initializing flag variable

    flag\_l **=** False

    flag\_n **=** False

    # checking for letter and numbers in

    # given string

**for** i **in** str:

        # if string has letter

**if** i.isalpha():

            flag\_l **=** True

        # if string has number

**if** i.isdigit():

            flag\_n **=** True

    # returning and of flag

    # for checking required condition

**return** flag\_l **and** flag\_n

# driver code

**print**(checkString('thishasboth29'))

**print**(checkString('geeksforgeeks'))

**import** re

**def** checkString(str):

    # using regular expression to check if a string contains

    # at least one letter and one number

    match **=** re.search(r'[a-zA-Z]+', str) **and** re.search(r'[0-9]+', str)

**if** match:

**return** True

**else**:

**return** False

# driver code

print(checkString('thishasboth29'))

print(checkString('geeksforgeeks'))

|  |
| --- |
| **def** checkString(str):      # Create sets of letters and digits      letters **=** set('abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ')      digits **=** set('0123456789')      # Check if the intersection of the input string and the sets of letters and digits is not empty  **return** bool(letters & set(str)) **and** bool(digits & set(str))  # Test the function with two sample inputs  print(checkString('thishasboth29'))  print(checkString('geeksforgeeks')) |