Python_Input_Function_5

June 2, 2025

1 Question:

Write a program to check if the entered string has digits.

Answer:

[1]:
```
user_input = input("Enter a string: ")
if any(char.isdigit() for char in user_input):
    print("Contains digits")
else:
    print("No digits")
```

```
Enter a string:  what digits? no
```

```
No digits
```

[2]:
```
user_input = input("Enter a string: ")
if any(char.isdigit() for char in user_input):
    print("Contains digits")
else:
    print("No digits")
```

```
Enter a string:  hmmmm, it has 1 in it
```

```
Contains digits
```

2 Question:

Write a program to check if the entered string has only whitespace characters.

Answer:

[3]:
```
user_input = input("Enter a string: ")
if user_input.isspace():
    print("Only whitespace")
else:
    print("Contains non-whitespace characters")
```

```
Enter a string:  Hello  world     welcome
```

```
Contains non-whitespace characters
```

[7]:
```
    user_input = input("Enter a string: ")
    if user_input.isspace():
        print("Only whitespace")
    else:
        print("Contains non-whitespace characters")
```

```
Enter a string:
```

```
Only whitespace
```

3 Question:

Write a program to find the sum of all digits in a string entered by the user.

Answer:

[8]:
```
text = input("Enter a string: ")
digit_sum = sum(int(digit) for digit in text if digit.isdigit())
print("Sum of digits:", digit_sum)
```

```
Enter a string:  He's phone number is 12345678910
```

```
Sum of digits: 46
```

4 Question:

Write a program that accepts a number and prints its absolute value.

Answer:

[10]:
```
num = int(input("Enter a number: "))
print("Absolute value:", abs(num))
```

```
Enter a number:  5854
```

```
Absolute value: 5854
```

[11]:
```
num = int(input("Enter a number: "))
print("Absolute value:", abs(num))
```

```
Enter a number:  -8585
```

```
Absolute value: 8585
```

5 Question:

How would you check if a string entered by the user contains any uppercase letters?

Answer:

[13]:
```
user_input = input("Enter a string: ")
if any(char.isupper() for char in user_input):
```

```
    print("Contains uppercase letters")
else:
    print("No uppercase letters")
```

```
Enter a string:  Hello, How Are you ?

Contains uppercase letters
```

[14]:
```
user_input = input("Enter a string: ")
if any(char.isupper() for char in user_input):
    print("Contains uppercase letters")
else:
    print("No uppercase letters")
```

```
Enter a string:  hello

No uppercase letters
```

6 Question:

Write a program that converts Celsius to Fahrenheit.

Answer:

[16]:
```
celsius = float(input("Enter temperature in Celsius: "))
fahrenheit = (celsius * 9/5) + 32
print(f"Temperature in Fahrenheit: {fahrenheit}")
```

```
Enter temperature in Celsius:  35

Temperature in Fahrenheit: 95.0
```

7 Question:

Write a program to find the average of a list of numbers entered by the user.

Answer:

[17]:
```
numbers = list(map(int, input("Enter numbers separated by space: ").split()))
print("Average:", sum(numbers) / len(numbers))
```

```
Enter numbers separated by space:  98 22 44 99 66 55 77

Average: 65.85714285714286
```

8 Question:

Write a program to count the number of consonants in a string entered by the user.

Answer:

[18]:
```
text = input("Enter a string: ")
consonants = "bcdfghjklmnpqrstvwxyz"
count = sum(1 for char in text.lower() if char in consonants)
print("Number of consonants:", count)
```

```
Enter a string:  Well, this is getting interesting
```

```
Number of consonants: 19
```

9 Question:

How do you check if a string entered by the user contains any punctuation?

Answer:

[19]:
```
import string
text = input("Enter a string: ")
if any(char in string.punctuation for char in text):
    print("Contains punctuation")
else:
    print("No punctuation")
```

```
Enter a string:  hehe, ok just a min?
```

```
Contains punctuation
```

10 Question:

Write a program that accepts a sentence and prints the longest word.

Answer:

[20]:
```
text = input("Enter a sentence: ")
words = text.split()
longest_word = max(words, key=len)
print("Longest word:", longest_word)
```

```
Enter a sentence:  Write a program that accepts a sentence and prints the
longest word he he
```

```
Longest word: sentence
```