

# Input Function Overview

April 11, 2024

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## ☐ Anonymous

explain about input function in python

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In Python, the `input()` function is used to receive input from the user through the keyboard. It allows the program to pause and wait for the user to enter some text or data, which is then read as a string. Here's a breakdown of how it works:

1. **Syntax:** The syntax of the `input()` function is straightforward:

python

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```
variable_name = input(prompt)
```

Here, `prompt` is an optional string argument that represents the message or prompt displayed to the user before they enter their input. It's displayed on the screen as a prompt to guide the user on what to input. If the `prompt` argument is omitted, the function simply waits for the user to input text.

1. **Input:** Once the `input()` function is executed, the program waits for the user to type something and press Enter. Whatever the user types is treated as a string and is returned by the `input()` function.
2. **Usage:** You can assign the input to a variable to store it for later use in your program. For example:

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```
name = input("Enter your name: ")  
print("Hello,", name)
```

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