

A Simple Function to Test

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Let's imagine we wrote a function that needs to ask the user to either agree or disagree to something, and all they have to do is to select "y" or "n", as follows:

Yes or No FUNCTION – Version 1

```
def YN_Question():
    answer = input("Do you wish to exit (y/n)? ")
    if (answer == "y"):
        print("You selected YES")
    else:
        print("You selected NO")
    #EndIf;

# END YN_Question.
```

And we would call the function as follows (by adding the following to the bottom of the function in the same file):

```
YN_Question()
```

Testing the Function

The problem with this function is that it works well if we type in "y" or "n", but if we tested this function with something else, like "g" or "d", the function would say:

```
You selected NO
```

Because the check on the function is to see if they typed in "y", and the assumption is that if they didn't type in "y", they must have typed in "n", but it is possible that they typed in some other value, therefore, we should check for that, as follows:

Yes or No FUNCTION – Version 2

```
def YN_Question2():
    answer = input("Do you wish to exit (y/n)? ")
    if (answer == "y"):
        print("You selected YES")
    else:
        if (answer == "n"):
            print("You selected NO")
        else:
            print("INVALID INPUT:", answer)

# END YN_Question2.
```

Now this version of the function will check for "y" or "n", and if it's neither of those two it will print a message "INVALID INPUT:" followed by the value typed in.

```
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```