

## Walrus operator in python

The walrus operator is a new addition to Python 3.8 and allows you to assign a value to a variable within an expression. This can be useful when you need to use a value multiple in a loop, but don't want to repeat the calculation.

The walrus operator is represented by the `:=` syntax and can be used in a variety of contexts including while loops and if statements.

Here's an example of how you can use the Walrus operator in a while loop.

```
numbers=[1,2,3,4,5]

while(n:=len(numbers))>0:
    print(numbers.pop())
```

Without using the walrus operator.

```
#without using warlus operator
# foods=list()
# while True:
#     food=input("What food do you like:")
#     if food=="quit":
#         break
#     foods.append(food)
```

Using walrus Operator to reduce the code and more readable the program

```
# using warlus operator to readable the code
foodss=list()
while (food:=input("What food do you like:"))!="quit":
    foodss.append(food)
```

## Source Code

```
# a=True
# print(a:=False)
```

```
# using warlus operator in while loop
# numbers=[1,2,3,4,5]

# while(n:=len(numbers))>0:
#     print(numbers.pop())

# happy=False
# print(happy:=True)

#without using warlus operator
# foods=list()
# while True:
#     food=input("What food do you like:")
#     if food=="quit":
#         break
#     foods.append(food)

# using warlus operator to readable the code
foodss=list()
while (food:=input("What food do you like:"))!="quit":
    foodss.append(food)
```

Thank You