

# LU11.L04 - Fehler beheben "Lager"

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# *
# * Lagerverwaltung für Impfstoffe

stock = dict()

def init_stock():
    """
    Fills the stock with initial values
    :return:
    """
    i = 1
    while (i < 100):
        stock[i] = 500
        i += 1

def take_from_stock(number, amount):
    """
    removed or add to stock
    :param number: number of stock-item
    :param amount: amount to add+ or remove-
    :return: None
    """
    stock[number] = stock.get(number) + amount

def main():
    number = read_number('Nr des Impfstoffs >')
    while (number != 0):
        if (number >= 1 and number <= 99):
            print('Aktueller Bestand >' + str(stock.get(number)))
            amount = read_number('Menge >')
            while (amount > 10000 or amount < -10000):
                print('Menge muss eine Ganzzahl (-9999 - 9999) sein.')
                amount = read_number('Menge >')
            take_from_stock(number, amount)
            print('Neuer Bestand >' + str(stock.get(number)))
        else:
            print('Impfstoffnummer muss eine Ganzzahl (1-99) sein.')
            number = read_number('Nr des Impfstoffs >')

def read_number(text):
    while True:
        try:
            integer = int(input(text))
```

```
except ValueError:
    print('Nummer muss eine Ganzzahl sein.')
    continue
else:
    return integer
    break

if __name__ == '__main__':
    init_stock()
    main()
```

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