

# IT kompetenser 2

Version: 0.2

© 2022 av Stefan Blecko, 070-6445868

CV: [LinkedIn](#) | [Arbetsomdöme](#) | Referens: [Peter Mwaka](#) | Portfolio: [GitHub](#) | [IT kompetenser 1](#)

```
In [1]: from pathlib import Path
import yaml
import random
from PIL import Image
import numpy as np
from IPython.display import display
import pprint
import csv
import time
import collections
```

```
In [2]: homedir = Path().home()
```

```
In [3]: %matplotlib inline
```

## Att arbeta med YAML filer (används inom DevOps)

```
In [4]: # Ex av Stefan Blecko
# Skapar en vanlig Python dict.
def orchgen(n=1):
    dict2yaml = {}
    for item in range(1, n+1):
        dict2yaml[f'Orch {item}'] = {
            'Styrka': random.randint(3, 18),
            'Fysik': random.randint(3, 18),
            'Storlek': random.randint(3, 18),
            'Intelligens': random.randint(3, 18),
            'Yrke': 'Stråtrövare',
            'Vapen': random.choice(['Kortsvärd', 'Dolk', 'Pilbåge',
                                   'Spikklubba', 'Kroksabel'])
        }
    return dict2yaml

create20orcs = orchgen(20) # Skapar 20 orcher
# Sparar YAML textfilen till hårddisken.
with open(homedir.joinpath('orcher.yaml'), 'w', encoding='utf-8') as fl:
    fl.write(yaml.dump(create20orcs, allow_unicode=True, sort_keys=False))
    # Yaml2Dict: yaml.load(create20orcs, Loader=yaml.FullLoader)
    fl.close()
```

## Att söka i YAML filer

```
In [5]: # Ex av Stefan Blecko
print('Trollkarlen Flavianus orch generator\n')
# Bild på en orch
img = Image.open(homedir.joinpath(r'Desktop\POPYS\orch_pic.jpg'))
display(img)

print('Hur många orcher har 7 i grundegenskap')
print('-----')
for orc in create20orcs:
    for k, v in create20orcs[f'{orc}'].items():
        if v == 7:
            print(f'{orc}: {k} {v}')
        else:
            pass

#print('\nStarkaste orchen')
#print('-----')

#for orc in create20orcs:
#    for k, v in create20orcs[f'{orc}'].items():
#        sorted_list = sorted({k: v}, key=lambda item: item[1])
#        print(sorted_list)
#        if k == 'Styrka':
#            print(f'{orc}: {k} {v}')
#        else:
#            pass

#print('\nSmartaste orchen')
#print('-----')
#for item in seach_orchgen:
#    for k, v in anyseach_orchgen[f'{it##em}'].items():
#        if k > 12##:
#            print##(f'{item}: {k}: {v}')
#        else#:
#            pass
```

Trollkarlen Flavianus orch generator



Hur många orcher har 7 i grundegenskap

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Orch 6: Styrka 7  
 Orch 6: Storlek 7  
 Orch 11: Intelligens 7  
 Orch 17: Fysik 7  
 Orch 19: Storlek 7

# Git/GitHub (projektplanering)

In [6]: `%cd`

C:\Users\stebler70

In [7]: `%cd C:\Users\stebler70\Desktop\POPYS\VBH\`

C:\Users\stebler70\Desktop\POPYS\VBH

In [8]: `!dir /B /OD`

docs  
VBH  
README.md  
temp

In [10]: `!git status # efter git add`

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: README.md

new file: temp/Synopsis.md

Untracked files:

(use "git add <file>..." to include in what will be committed)

temp/.obsidian/

In [13]: `!git commit -m "VBH projeket initierad"`

[master (root-commit) 66fe776] VBH projeket initierad

2 files changed, 47 insertions(+)

create mode 100644 README.md

create mode 100644 temp/Synopsis.md

git push -u origin main # hmm, git push verkar inte funka med JupyterLab, funkar dock i Powershell  
The authenticity of host 'github.com (140.82.121.3)' can't be established. ED25519 key fingerprint is  
SHA256:+DiY3wvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU. This key is not known by any other  
names Are you sure you want to continue connecting (yes/no/[fingerprint])? y Please type 'yes', 'no' or  
the fingerprint: y Please type 'yes', 'no' or the fingerprint: yes Warning: Permanently added  
'github.com' (ED25519) to the list of known hosts. Enumerating objects: 5, done. Counting objects:  
100% (5/5), done. Delta compression using up to 2 threads Compressing objects: 100% (3/3), done.  
Writing objects: 100% (5/5), 911 bytes | 113.00 KiB/s, done. Total 5 (delta 0), reused 0 (delta 0), pack-  
reused 0 To github.com:stebler70/VBH.git

- [new branch] main -> main branch 'main' set up to track 'origin/main'.