

algemene dingen

Python

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```
capitals = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
```

```
lowercases = "abcdefghijklmnopqrstuvwxyz"
```

```
numbers = "0123456789"
```

```
symbols = "!@#$%^&*()"
```

```
import random
```

```
part1 = random.choices(capitals, k=3)
```

```
part2 = random.choices(lowercases, k=3)
```

```
part3 = random.choices(numbers, k=2)
```

```
part4 = random.choices(symbols, k=4)
```

```
characters = part1 + part2 + part3 + part4
```

```
random.shuffle(characters)
```

```
password = "".join(characters)
```

```
print(password)
```

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1a. Dictionary maken en printen

```
fruit_dictionary = {  
    "appel": "apple",  
    "peer": "pear",  
    "mandarijn": "mandarin",  
    "sinaasappel": "orange",  
    "druif": "grape",  
    "banaan": "banana"  
}
```

```
print("1a:", fruit_dictionary)
```

1b. Print de peer en de sinaasappel

```
print("1b:", fruit_dictionary["peer"])  
print("1b:", fruit_dictionary["sinaasappel"])
```

1c. Print alle keys

```
print("1c:", fruit_dictionary.keys())
```

1d. Print alle values

```
print("1d:", fruit_dictionary.values())
```

1e. Print alle items in het formaat: appel -> apple

```
print("1e:")  
for key, value in fruit_dictionary.items():  
    print(f"{key} -> {value}")
```

1f. Voeg watermeloen toe

```
fruit_dictionary["watermeloen"] = "watermelon"  
print("1f:", fruit_dictionary)
```

```
# 1g. Verwijder de druif
del fruit_dictionary["druif"]
print("1g:", fruit_dictionary)
```