## Reguliere Expressies – Cheat Sheet

### Functions:

```
re.match(pattern, string, flags=0)
# Return match for pattern with beginning of the string
re.fullmatch(pattern, string, flags=0)
# Return match for pattern with the whole string
re.search(pattern, string, flags=0)
# Return match for pattern anywhere in the string
re.findall(pattern, string, flags=0)
# Return all non-overlapping matches of the pattern in the string
re.sub(pattern, repl, string, count = 0, flags=0)
# Replace occurrences of the pattern in the string with the repl
```

### Patterns

```
‘.’ Any character except a newline
‘^’ Matches the start of the string
‘$’ Matches the end of the string
‘*’ Matches zero or more occurrences, repetitions
‘+’ Matches one or more occurrences, repetitions
‘?’ Matches zero or one occurrence, repetition
‘{m}’ Specifies that exactly m copies of the previous RE should be matched
‘[]’ Matches any one of the characters inside the brackets
‘()’ Matches whatever regular expression is inside the parentheses
‘|’ Matches either the pattern on its left or right
```

### Predefined Characters

```
“\d” matches any decimal digit
“\D” matches any non-digit character
“\w” matches any alphanumeric character
“\W” matches any non-alphanumeric character
“\b” matches characters at the start or end of a word
“\B” matches characters in the middle of other non-space characters
“\\” matches a literal backslash
“\N” matches the same tekst as previously matched by a capturing group
```

### Others

```
match.group([group1, …])
# Returns one or more subgroups of the match
match.groups()
# Returns tuple containing all subgroups of match
```