28 juli Programmering, Extraövningar

1. Vad tror du att händer när koden körs? Fundera noga innan du testar att köra koden! Fundera sedan på varför du har rätt eller fel.

(a)

```
>>> ['no', 'yes'][True]
```

(b)

```
>>> (0, 'a') < (1, 0)
>>> (1, 'a') < (1, 0)
```

(c)

```
>>> matrix = [[0] * 2] * 2
>>> matrix[0][0] = 1
>>> matrix
```

(d)

```
"⅐ↁⅣⅤⅧↀↀⅪ".isnumeric()
"LCD¹M³₉Ↄ".isnumeric()
"-3".isnumeric()
```

Ni kan kopiera texten från www.technox.se/python_oddity.html

(e)

```
>>> [1 if 2 else 3 for x4 in [5] if 6 if 7 if 8 if 9 or 0]
```

(f)

```
>>> a = 256
>>> b = 256
>>> a is b
>>> a = 257
>>> b = 257
>>> a is b
>>> 257 is 257
```

(g)

```
>>> 5 in range(10) == True
```

(h)

```
>>> "hello" + True
>>> "hello" * True
```

(i)

```
>>> nums = reversed([1, 2, 3, 4])
>>> 2 in nums
>>> 2 in nums
```

(j)

```
>>> a = [1,2,3]
>>> b = {'a': 'b', 'c': 'd'}
>>> a += b
>>> a
```

(k)

```
>>> {True: 'yes', 1: 'no', 1.0: 'maybe'}
```

(l)

```
d = {0}
for n, k in enumerate(d, 1):
    d.remove(k)
    d.add(n)
print(d)
```

(m)

```
>>> x, y = 999, 999
>>> x is y
>>> x = 999
>>> y = 999
>>> x is y
```